

Frequencies

Statistics

NMISS

| | | |
|---|---------|----|
| N | Valid | 70 |
| | Missing | 0 |

NMISS

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | .00 | 26 | 37.1 | 37.1 | 37.1 |
| | 1.00 | 15 | 21.4 | 21.4 | 58.6 |
| | 2.00 | 19 | 27.1 | 27.1 | 85.7 |
| | 3.00 | 4 | 5.7 | 5.7 | 91.4 |
| | 7.00 | 6 | 8.6 | 8.6 | 100.0 |
| | Total | 70 | 100.0 | 100.0 | |

MVA

Warnings

Since more than half of the cases are missing, error terms are randomly from a Normal distribution instead of chosen randomly from the observed residuals of complete cases.

Univariate Statistics

| | N | Mean | Std. Deviation | Missing | | No. of Extremes ^a | |
|-----|----|--------|----------------|---------|---------|------------------------------|------|
| | | | | Count | Percent | Low | High |
| v1 | 49 | 4.008 | .9318 | 21 | 30.0 | 0 | 0 |
| v2 | 57 | 1.944 | .8751 | 13 | 18.6 | 0 | 0 |
| v3 | 53 | 8.062 | 1.4072 | 17 | 24.3 | 0 | 0 |
| v4 | 63 | 5.168 | 1.1714 | 7 | 10.0 | 0 | 0 |
| v5 | 61 | 2.856 | .7760 | 9 | 12.9 | 0 | 0 |
| v6 | 64 | 2.611 | .7174 | 6 | 8.6 | 0 | 0 |
| v7 | 61 | 6.823 | 1.6809 | 9 | 12.9 | 1 | 0 |
| v8 | 61 | 46.033 | 9.3559 | 9 | 12.9 | 0 | 0 |
| v9 | 63 | 4.759 | .8319 | 7 | 10.0 | 0 | 0 |
| v10 | 68 | | | 2 | 2.9 | | |
| v11 | 68 | | | 2 | 2.9 | | |
| v12 | 68 | | | 2 | 2.9 | | |
| v13 | 69 | | | 1 | 1.4 | | |
| v14 | 68 | | | 2 | 2.9 | | |

a. Number of cases outside the range (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Summary of Estimated Means

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Listwise | 4.019 | 1.950 | 8.354 | 5.269 | 2.981 | 2.600 | 6.754 | 48.308 | 4.896 |
| All Values | 4.008 | 1.944 | 8.062 | 5.168 | 2.856 | 2.611 | 6.823 | 46.033 | 4.759 |
| EM | 3.686 | 2.104 | 8.019 | 5.178 | 2.848 | 2.630 | 6.932 | 45.791 | 4.737 |
| Regression | 3.866 | 2.022 | 7.966 | 5.129 | 2.855 | 2.591 | 6.959 | 45.464 | 4.712 |

Summary of Estimated Standard Deviations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|------------|--------|--------|--------|--------|-------|-------|--------|--------|-------|
| Listwise | .9583 | .8860 | 1.1697 | 1.1030 | .4875 | .7440 | 1.3848 | 8.0487 | .8022 |
| All Values | .9318 | .8751 | 1.4072 | 1.1714 | .7760 | .7174 | 1.6809 | 9.3559 | .8319 |
| EM | 1.1288 | 1.0490 | 1.3593 | 1.1459 | .7757 | .7129 | 1.6968 | 9.3689 | .8185 |
| Regression | .9547 | .8593 | 1.3484 | 1.1254 | .7842 | .7089 | 1.6595 | 9.2571 | .8319 |

Separate Variance t Tests^a

| | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|---------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| v1 | t | . | -.3 | 1.6 | 2.4 | 2.9 | 1.7 | -1.0 | 2.6 | 2.6 |
| | df | . | 38.2 | 17.5 | 45.0 | 24.1 | 41.1 | 25.9 | 24.4 | 27.2 |
| | P(2-tail) | . | .757 | .126 | .019 | .008 | .101 | .316 | .016 | .015 |
| | # Present | 49 | 39 | 40 | 44 | 43 | 44 | 43 | 43 | 44 |
| | # Missing | 0 | 18 | 13 | 19 | 18 | 20 | 18 | 18 | 19 |
| | Mean(Present) | 4.008 | 1.921 | 8.255 | 5.373 | 3.056 | 2.707 | 6.665 | 48.209 | 4.948 |
| | Mean(Missing) | . | 1.994 | 7.469 | 4.695 | 2.378 | 2.400 | 7.200 | 40.833 | 4.321 |
| v2 | t | -.4 | . | -.1 | -2.7 | -4.5 | -2.3 | -1.5 | -1.2 | -1.5 |
| | df | 11.9 | . | 12.0 | 16.4 | 18.1 | 11.9 | 12.9 | 11.4 | 23.1 |
| | P(2-tail) | .700 | . | .950 | .015 | .000 | .038 | .155 | .255 | .147 |
| | # Present | 39 | 57 | 44 | 51 | 50 | 54 | 51 | 52 | 52 |
| | # Missing | 10 | 0 | 9 | 12 | 11 | 10 | 10 | 9 | 11 |
| | Mean(Present) | 3.977 | 1.944 | 8.057 | 4.982 | 2.694 | 2.519 | 6.682 | 45.462 | 4.706 |
| | Mean(Missing) | 4.130 | . | 8.089 | 5.958 | 3.591 | 3.110 | 7.540 | 49.333 | 5.009 |
| v3 | t | .3 | 1.6 | . | .8 | 1.2 | .0 | -.2 | 1.7 | 1.1 |
| | df | 16.1 | 21.4 | . | 22.7 | 15.3 | 25.9 | 18.3 | 31.9 | 19.3 |
| | P(2-tail) | .748 | .132 | . | .434 | .250 | .978 | .841 | .100 | .269 |
| | # Present | 40 | 44 | 53 | 48 | 48 | 49 | 47 | 46 | 50 |
| | # Missing | 9 | 13 | 0 | 15 | 13 | 15 | 14 | 15 | 13 |
| | Mean(Present) | 4.025 | 2.036 | 8.062 | 5.235 | 2.931 | 2.612 | 6.796 | 47.022 | 4.818 |
| | Mean(Missing) | 3.933 | 1.631 | . | 4.953 | 2.577 | 2.607 | 6.914 | 43.000 | 4.531 |
| v4 | t | .1 | .0 | .7 | . | .7 | 1.4 | 1.5 | .3 | -.8 |
| | df | 9.3 | 5.8 | 4.4 | . | 5.8 | 3.8 | 5.7 | 4.1 | 6.2 |
| | P(2-tail) | .902 | .988 | .542 | . | .484 | .239 | .177 | .814 | .465 |
| | # Present | 44 | 51 | 48 | 63 | 56 | 60 | 57 | 57 | 57 |
| | # Missing | 5 | 6 | 5 | 0 | 5 | 4 | 4 | 4 | 6 |
| | Mean(Present) | 4.011 | 1.943 | 8.121 | 5.168 | 2.871 | 2.635 | 6.867 | 46.088 | 4.733 |
| | Mean(Missing) | 3.980 | 1.950 | 7.500 | . | 2.680 | 2.250 | 6.200 | 45.250 | 5.000 |

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

Separate Variance t Tests^a

| | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|---------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| v5 | t | -.2 | -1.0 | .7 | .2 | . | -1.2 | -.8 | .3 | .9 |
| | df | 7.4 | 8.3 | 4.3 | 12.6 | . | 6.5 | 5.9 | 5.8 | 7.1 |
| | P(2-tail) | .810 | .344 | .518 | .838 | . | .260 | .447 | .763 | .378 |
| | # Present | 43 | 50 | 48 | 56 | 61 | 58 | 55 | 55 | 56 |
| | # Missing | 6 | 7 | 5 | 7 | 0 | 6 | 6 | 6 | 7 |
| | Mean(Present) | 3.998 | 1.904 | 8.129 | 5.175 | 2.856 | 2.579 | 6.758 | 46.182 | 4.798 |
| | Mean(Missing) | 4.083 | 2.229 | 7.420 | 5.114 | . | 2.917 | 7.417 | 44.667 | 4.443 |
| v6 | t | .4 | -.6 | .6 | .2 | .1 | . | -.2 | .3 | .8 |
| | df | 11.5 | 2.1 | 3.2 | 2.1 | 2.0 | . | 1.0 | 1.1 | 1.1 |
| | P(2-tail) | .672 | .629 | .568 | .883 | .926 | . | .848 | .822 | .566 |
| | # Present | 44 | 54 | 49 | 60 | 58 | 64 | 59 | 59 | 61 |
| | # Missing | 5 | 3 | 4 | 3 | 3 | 0 | 2 | 2 | 2 |
| | Mean(Present) | 4.018 | 1.919 | 8.118 | 5.177 | 2.860 | 2.611 | 6.810 | 46.085 | 4.775 |
| | Mean(Missing) | 3.920 | 2.400 | 7.375 | 5.000 | 2.767 | . | 7.200 | 44.500 | 4.250 |
| v7 | t | 2.5 | -.5 | .8 | -1.9 | .1 | -2.1 | . | .5 | 1.5 |
| | df | 14.9 | 5.9 | 5.6 | 6.5 | 5.7 | 7.5 | . | 2.1 | 8.4 |
| | P(2-tail) | .024 | .613 | .437 | .097 | .921 | .076 | . | .652 | .179 |
| | # Present | 43 | 51 | 47 | 57 | 55 | 59 | 61 | 58 | 56 |
| | # Missing | 6 | 6 | 6 | 6 | 6 | 5 | 0 | 3 | 7 |
| | Mean(Present) | 4.077 | 1.920 | 8.138 | 5.088 | 2.860 | 2.581 | 6.823 | 46.207 | 4.805 |
| | Mean(Missing) | 3.517 | 2.150 | 7.467 | 5.933 | 2.817 | 2.960 | . | 42.667 | 4.386 |
| v8 | t | 2.9 | -2.6 | 2.1 | -1.2 | -1.0 | -2.3 | 1.8 | . | 2.2 |
| | df | 14.4 | 4.8 | 6.9 | 7.5 | 6.0 | 6.3 | 9.0 | . | 9.2 |
| | P(2-tail) | .011 | .049 | .073 | .271 | .371 | .056 | .107 | . | .052 |
| | # Present | 43 | 52 | 46 | 57 | 55 | 59 | 58 | 61 | 56 |
| | # Missing | 6 | 5 | 7 | 6 | 6 | 5 | 3 | 0 | 7 |
| | Mean(Present) | 4.088 | 1.854 | 8.261 | 5.126 | 2.822 | 2.573 | 6.850 | 46.033 | 4.821 |
| | Mean(Missing) | 3.433 | 2.880 | 6.757 | 5.567 | 3.167 | 3.060 | 6.300 | . | 4.257 |
| v9 | t | .7 | -.2 | .0 | 1.0 | .6 | 1.3 | .0 | 1.5 | . |
| | df | 8.9 | 4.4 | 2.1 | 5.8 | 4.3 | 2.3 | 5.1 | 5.7 | . |
| | P(2-tail) | .531 | .880 | .975 | .351 | .582 | .294 | .972 | .182 | . |
| | # Present | 44 | 52 | 50 | 57 | 56 | 61 | 56 | 56 | 63 |
| | # Missing | 5 | 5 | 3 | 6 | 5 | 3 | 5 | 5 | 0 |
| | Mean(Present) | 4.025 | 1.937 | 8.060 | 5.223 | 2.882 | 2.633 | 6.825 | 46.429 | 4.759 |
| | Mean(Missing) | 3.860 | 2.020 | 8.100 | 4.650 | 2.560 | 2.167 | 6.800 | 41.600 | . |

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

a. Indicator variables with less than 5% missing are not displayed.

Data Patterns (all cases)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns | | | | | | | | | | | | | |
|------|-----------|-----------|------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 201 | 0 | .0 | | | | | | | | | | | | | | |
| 202 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 203 | 2 | 14.3 | | S | | | | | S | | | | | | | |
| 204 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 205 | 1 | 7.1 | | | S | | | | | | | | | | | |
| 206 | 0 | .0 | | | | | | | | | | | | | | |
| 207 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 208 | 0 | .0 | | | | | | | | | | | | | | |
| 209 | 0 | .0 | | | | | | | | | | | | | | |
| 210 | 7 | 50.0 | | | | S | S | S | S | S | S | S | | | | |
| 211 | 0 | .0 | | | | | | | | | | | | | | |
| 212 | 0 | .0 | | | | | | | | | | | | | | |
| 213 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 214 | 7 | 50.0 | S | | | S | | S | S | S | | | S | | S | |
| 215 | 0 | .0 | | | | | | | | | | | | | | |
| 216 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 217 | 0 | .0 | | | | | | | | | | | | | | |
| 218 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 219 | 2 | 14.3 | | | | | | | S | S | | | | | | |
| 220 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 221 | 3 | 21.4 | S | | S | | | | S | | | | | | | |
| 222 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 223 | 0 | .0 | | | | | | | | | | | | | | |
| 224 | 3 | 21.4 | S | S | | | | | | S | | | | | | |
| 225 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 226 | 0 | .0 | | | | | | | | | | | | | | |
| 227 | 2 | 14.3 | | S | | | | | | S | | | | | | |
| 228 | 2 | 14.3 | S | | | S | | | | | | | | | | |
| 229 | 1 | 7.1 | | | | | S | | | | | | | | | |
| 230 | 0 | .0 | | | | | | | | | | | | | | |
| 231 | 1 | 7.1 | | | | | | | S | | | | | | | |
| 232 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 233 | 7 | 50.0 | | S | S | | S | S | | | S | | | S | | S |
| 234 | 0 | .0 | | | | | | | | | | | | | | |
| 235 | 2 | 14.3 | | | | | | S | | | S | | | | | |
| 236 | 0 | .0 | | | | | | | | | | | | | | |
| 237 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 238 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 239 | 0 | .0 | | | | | | | | | | | | | | |
| 240 | 1 | 7.1 | S | | | | | | - | | | | | | | |
| 241 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 242 | 0 | .0 | | | | | | | | | | | | | | |
| 243 | 0 | .0 | | | | | | | | | | | | | | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Data Patterns (all cases)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns | | | | | | | | | | | | | |
|------|-----------|-----------|------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 244 | 1 | 7.1 | | | | | | | | S | | | | | | |
| 245 | 7 | 50.0 | S | | S | | S | | S | S | | | | S | | S |
| 246 | 1 | 7.1 | | | | S | | | | | | | | | | |
| 247 | 0 | .0 | | | | | | | | | | | | | | |
| 248 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 249 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 250 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 251 | 0 | .0 | | | | | | | | | | | | | | |
| 252 | 0 | .0 | | | | | | | | | | | | | | |
| 253 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 254 | 0 | .0 | | | | | | | | | | | | | | |
| 255 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 256 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 257 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 258 | 0 | .0 | | | | | | | | | | | | | | |
| 259 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 260 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 261 | 7 | 50.0 | | S | S | | | S | S | S | S | | S | | | |
| 262 | 0 | .0 | | | | | | | | | | | | | | |
| 263 | 7 | 50.0 | | S | | S | S | S | S | S | | S | | | | |
| 264 | 0 | .0 | | | | | | | | | | | | | | |
| 265 | 0 | .0 | | | | | | | | | | | | | | |
| 266 | 0 | .0 | | | | | | | | | | | | | | |
| 267 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 268 | 1 | 7.1 | | | | | | | | | S | | | | | |
| 269 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 270 | 0 | .0 | | | | | | | | | | | | | | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Data Patterns (all cases)

| Case | Variable Values | | | | | | | | |
|------|-----------------|-----|-----|-----|-----|-----|-----|------|-----|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
| 201 | 3.3 | .9 | 8.6 | 4.0 | 2.1 | 1.8 | 6.3 | 41.0 | 4.5 |
| 202 | . | .4 | . | 2.5 | 1.2 | 1.7 | 5.2 | 35.0 | 3.3 |
| 203 | 3.0 | . | 9.1 | 7.1 | 3.5 | 3.4 | . | 55.0 | 5.2 |
| 204 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 205 | 5.1 | 1.4 | . | 4.8 | 3.3 | 2.6 | 3.8 | 49.0 | 4.9 |
| 206 | 4.6 | 2.1 | 7.9 | 5.8 | 3.4 | 2.8 | 4.7 | 49.0 | 5.9 |
| 207 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 208 | 5.2 | 1.3 | 9.7 | 6.1 | 3.2 | 3.9 | 6.7 | 54.0 | 5.8 |
| 209 | 3.5 | 2.8 | 9.9 | 3.5 | 3.1 | 1.7 | 5.4 | 49.0 | 5.4 |
| 210 | 4.1 | 3.7 | 5.9 | . | . | . | . | . | . |
| 211 | 3.0 | 2.8 | 7.8 | 7.1 | 3.0 | 3.8 | 7.9 | 49.0 | 4.4 |
| 212 | 4.8 | 1.7 | 7.6 | 4.2 | 3.3 | 1.4 | 5.8 | 39.0 | 5.5 |
| 213 | 3.1 | . | . | 7.8 | 3.6 | 4.0 | 5.9 | 43.0 | 5.2 |
| 214 | . | 2.7 | 5.0 | . | 2.2 | . | . | . | 3.6 |
| 215 | 4.0 | .5 | 6.7 | 4.5 | 2.2 | 2.1 | 5.0 | 31.0 | 4.0 |
| 216 | . | 1.6 | 6.4 | 5.0 | . | 2.1 | 8.4 | 25.0 | 3.4 |
| 217 | 6.1 | .5 | 9.2 | 4.8 | 3.3 | 2.8 | 7.1 | 60.0 | 5.2 |
| 218 | . | 2.8 | 5.2 | 5.0 | . | 2.7 | 8.4 | 38.0 | 3.7 |
| 219 | 3.1 | 2.2 | 6.7 | 6.8 | 2.6 | 2.9 | . | . | 4.3 |
| 220 | 6.5 | . | 9.0 | 7.0 | 3.2 | 3.7 | 8.0 | 33.0 | 5.4 |
| 221 | . | 1.6 | . | 4.8 | 2.0 | 2.8 | . | 32.0 | 4.3 |
| 222 | 3.9 | 2.2 | . | 4.6 | . | 2.5 | 8.3 | 47.0 | 5.0 |
| 223 | 2.8 | 1.4 | 8.1 | 3.8 | 2.1 | 1.4 | 6.6 | 39.0 | 4.4 |
| 224 | . | . | 8.6 | 5.7 | 2.7 | 3.7 | 6.7 | . | 5.0 |
| 225 | 4.7 | 1.3 | . | . | 3.0 | 2.6 | 6.8 | 54.0 | 5.9 |
| 226 | 3.4 | 2.0 | 9.7 | 4.7 | 2.7 | 1.7 | 4.8 | 49.0 | 4.7 |
| 227 | 3.2 | . | 5.7 | 5.1 | 3.6 | 2.9 | 6.2 | . | 4.4 |
| 228 | . | 1.8 | 7.7 | . | 3.4 | 1.5 | 5.9 | 40.0 | 5.6 |
| 229 | 5.3 | 1.4 | 9.7 | 6.1 | . | 3.9 | 6.8 | 54.0 | 5.9 |
| 230 | 4.7 | 1.3 | 9.9 | 6.7 | 3.0 | 2.6 | 6.8 | 55.0 | 6.0 |
| 231 | 3.7 | .7 | 8.2 | 6.0 | 2.1 | 2.5 | . | 41.0 | 5.0 |
| 232 | . | . | 8.2 | 5.0 | 3.6 | 2.5 | 9.0 | 53.0 | 5.2 |
| 233 | 4.5 | . | . | 5.9 | . | . | 8.8 | 50.0 | . |
| 234 | 2.8 | 2.4 | 6.7 | 4.9 | 2.5 | 2.6 | 9.2 | 32.0 | 3.7 |
| 235 | 3.8 | .8 | 8.7 | 2.9 | 1.6 | . | 5.6 | 39.0 | . |
| 236 | 2.9 | 2.6 | 7.7 | 7.0 | 2.8 | 3.6 | 7.7 | 47.0 | 4.2 |
| 237 | 4.9 | . | 7.4 | 6.9 | 4.6 | 4.0 | 9.6 | 62.0 | 6.2 |
| 238 | . | 2.5 | 9.6 | 5.5 | 4.0 | 3.0 | 7.7 | 65.0 | 6.0 |
| 239 | 4.3 | 1.8 | 7.6 | 5.4 | 3.1 | 2.5 | 4.4 | 46.0 | 5.6 |
| 240 | . | 1.5 | 9.9 | 2.7 | 1.3 | 1.2 | 1.7 | 50.0 | 5.0 |
| 241 | 3.1 | 1.9 | . | 4.5 | . | 3.1 | 3.8 | 54.0 | 4.8 |
| 242 | 5.1 | 1.9 | 9.2 | 5.8 | 3.6 | 2.3 | 4.5 | 60.0 | 6.1 |
| 243 | 4.1 | 1.1 | 9.3 | 5.5 | 2.5 | 2.7 | 7.4 | 47.0 | 5.3 |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Data Patterns (all cases)

| Case | Variable Values | | | | | | | | |
|------|-----------------|-----|-----|-----|-----|-----|-----|------|-----|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
| 244 | 3.0 | 3.8 | 5.5 | 4.9 | 3.4 | 2.6 | 6.0 | . | 4.2 |
| 245 | . | 2.0 | . | 4.7 | . | 3.2 | . | . | 3.4 |
| 246 | 3.7 | 1.4 | 9.0 | . | 2.6 | 2.3 | 6.8 | 45.0 | 4.9 |
| 247 | 4.2 | 2.5 | 9.2 | 6.2 | 3.3 | 3.9 | 7.3 | 59.0 | 6.0 |
| 248 | . | . | 6.4 | 5.3 | 3.0 | 2.5 | 7.1 | 46.0 | 4.5 |
| 249 | 5.3 | . | 8.5 | 3.7 | 3.5 | 1.9 | 4.8 | 58.0 | 4.3 |
| 250 | . | 3.7 | . | 5.2 | 3.0 | 2.3 | 9.1 | 49.0 | 4.8 |
| 251 | 3.0 | 3.2 | 6.0 | 5.3 | 3.1 | 3.0 | 8.0 | 43.0 | 3.3 |
| 252 | 2.8 | 3.8 | 8.9 | 6.9 | 3.3 | 3.2 | 8.2 | 53.0 | 5.0 |
| 253 | . | 2.0 | 9.3 | 5.9 | 3.7 | 2.4 | 4.6 | 60.0 | 6.1 |
| 254 | 3.4 | 3.7 | 6.4 | 5.7 | 3.5 | 3.4 | 8.4 | 47.0 | 3.8 |
| 255 | . | 1.0 | . | 3.4 | 1.7 | 1.1 | 6.2 | 35.0 | 4.1 |
| 256 | . | 3.3 | 7.5 | 4.5 | 2.5 | 2.4 | 7.6 | 39.0 | 3.6 |
| 257 | 3.6 | . | . | 5.8 | 3.7 | 2.5 | 9.3 | 44.0 | 4.8 |
| 258 | 4.0 | .9 | 9.1 | 5.4 | 2.4 | 2.6 | 7.3 | 46.0 | 5.1 |
| 259 | . | 2.1 | 6.9 | 5.4 | 1.1 | 2.6 | 8.9 | 29.0 | 3.9 |
| 260 | . | 2.0 | 6.4 | 4.5 | 2.1 | 2.2 | 8.8 | 28.0 | 3.3 |
| 261 | 3.6 | . | . | 6.2 | 4.5 | . | . | . | . |
| 262 | 5.6 | 2.2 | 8.2 | 3.1 | 4.0 | 1.6 | 5.3 | 55.0 | 3.9 |
| 263 | 3.6 | . | 9.9 | . | . | . | . | . | 4.9 |
| 264 | 5.2 | 1.3 | 9.1 | 4.5 | 3.3 | 2.7 | 7.3 | 60.0 | 5.1 |
| 265 | 3.0 | 2.0 | 6.6 | 6.6 | 2.4 | 2.7 | 8.2 | 41.0 | 4.1 |
| 266 | 4.2 | 2.4 | 9.4 | 4.9 | 3.2 | 2.7 | 8.5 | 49.0 | 5.2 |
| 267 | 3.8 | .8 | . | . | 2.2 | 2.6 | 5.3 | 42.0 | 5.1 |
| 268 | 3.3 | 2.6 | 9.7 | 3.3 | 2.9 | 1.5 | 5.2 | 47.0 | . |
| 269 | . | 1.9 | . | 4.5 | 1.5 | 3.1 | 9.9 | 39.0 | 3.3 |
| 270 | 4.5 | 1.6 | 8.7 | 4.6 | 3.1 | 2.1 | 6.8 | 56.0 | 5.1 |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Missing Patterns (cases with missing values)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns ^a | | | | | | | | | | | | | |
|------|-----------|-----------|---|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 205 | 1 | 7.1 | | | S | | | | | | | | | | | |
| 202 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 250 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 255 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 269 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 238 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 240 | 1 | 7.1 | S | | | | | | - | | | | | | | |
| 253 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 256 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 259 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 260 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 228 | 2 | 14.3 | S | | | S | | | | | | | | | | |
| 246 | 1 | 7.1 | | | | S | | | | | | | | | | |
| 225 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 267 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 222 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 241 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 229 | 1 | 7.1 | | | | | S | | | | | | | | | |
| 216 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 218 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 232 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 248 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 237 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 249 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 220 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 213 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 257 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 203 | 2 | 14.3 | | S | | | | | S | | | | | | | |
| 231 | 1 | 7.1 | | | | | | | S | | | | | | | |
| 219 | 2 | 14.3 | | | | | | | S | S | | | | | | |
| 244 | 1 | 7.1 | | | | | | | | S | | | | | | |
| 227 | 2 | 14.3 | | S | | | | | | S | | | | | | |
| 224 | 3 | 21.4 | S | S | | | | | | S | | | | | | |
| 268 | 1 | 7.1 | | | | | | | | | S | | | | | |
| 235 | 2 | 14.3 | | | | | | S | | | S | | | | | |
| 204 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 207 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 221 | 3 | 21.4 | S | | S | | | | S | | | | | | | |
| 245 | 7 | 50.0 | S | | S | | S | | S | S | | | | S | | S |
| 233 | 7 | 50.0 | | S | S | | S | S | | | S | | | S | | S |
| 261 | 7 | 50.0 | | S | S | | | S | S | S | S | | S | | | |
| 210 | 7 | 50.0 | | | | S | S | S | S | S | S | S | | | | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Missing Patterns (cases with missing values)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns ^a | | | | | | | | | | | | | |
|------|-----------|-----------|---|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 263 | 7 | 50.0 | | S | | S | S | S | S | S | | S | | | | |
| 214 | 7 | 50.0 | S | | | S | | S | S | S | | | S | | S | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Missing Patterns (cases with missing values)

| Case | Variable Values | | | | | | | | |
|------|-----------------|-----|-----|-----|-----|-----|-----|------|-----|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
| 205 | 5.1 | 1.4 | . | 4.8 | 3.3 | 2.6 | 3.8 | 49.0 | 4.9 |
| 202 | . | .4 | . | 2.5 | 1.2 | 1.7 | 5.2 | 35.0 | 3.3 |
| 250 | . | 3.7 | . | 5.2 | 3.0 | 2.3 | 9.1 | 49.0 | 4.8 |
| 255 | . | 1.0 | . | 3.4 | 1.7 | 1.1 | 6.2 | 35.0 | 4.1 |
| 269 | . | 1.9 | . | 4.5 | 1.5 | 3.1 | 9.9 | 39.0 | 3.3 |
| 238 | . | 2.5 | 9.6 | 5.5 | 4.0 | 3.0 | 7.7 | 65.0 | 6.0 |
| 240 | . | 1.5 | 9.9 | 2.7 | 1.3 | 1.2 | 1.7 | 50.0 | 5.0 |
| 253 | . | 2.0 | 9.3 | 5.9 | 3.7 | 2.4 | 4.6 | 60.0 | 6.1 |
| 256 | . | 3.3 | 7.5 | 4.5 | 2.5 | 2.4 | 7.6 | 39.0 | 3.6 |
| 259 | . | 2.1 | 6.9 | 5.4 | 1.1 | 2.6 | 8.9 | 29.0 | 3.9 |
| 260 | . | 2.0 | 6.4 | 4.5 | 2.1 | 2.2 | 8.8 | 28.0 | 3.3 |
| 228 | . | 1.8 | 7.7 | . | 3.4 | 1.5 | 5.9 | 40.0 | 5.6 |
| 246 | 3.7 | 1.4 | 9.0 | . | 2.6 | 2.3 | 6.8 | 45.0 | 4.9 |
| 225 | 4.7 | 1.3 | . | . | 3.0 | 2.6 | 6.8 | 54.0 | 5.9 |
| 267 | 3.8 | .8 | . | . | 2.2 | 2.6 | 5.3 | 42.0 | 5.1 |
| 222 | 3.9 | 2.2 | . | 4.6 | . | 2.5 | 8.3 | 47.0 | 5.0 |
| 241 | 3.1 | 1.9 | . | 4.5 | . | 3.1 | 3.8 | 54.0 | 4.8 |
| 229 | 5.3 | 1.4 | 9.7 | 6.1 | . | 3.9 | 6.8 | 54.0 | 5.9 |
| 216 | . | 1.6 | 6.4 | 5.0 | . | 2.1 | 8.4 | 25.0 | 3.4 |
| 218 | . | 2.8 | 5.2 | 5.0 | . | 2.7 | 8.4 | 38.0 | 3.7 |
| 232 | . | . | 8.2 | 5.0 | 3.6 | 2.5 | 9.0 | 53.0 | 5.2 |
| 248 | . | . | 6.4 | 5.3 | 3.0 | 2.5 | 7.1 | 46.0 | 4.5 |
| 237 | 4.9 | . | 7.4 | 6.9 | 4.6 | 4.0 | 9.6 | 62.0 | 6.2 |
| 249 | 5.3 | . | 8.5 | 3.7 | 3.5 | 1.9 | 4.8 | 58.0 | 4.3 |
| 220 | 6.5 | . | 9.0 | 7.0 | 3.2 | 3.7 | 8.0 | 33.0 | 5.4 |
| 213 | 3.1 | . | . | 7.8 | 3.6 | 4.0 | 5.9 | 43.0 | 5.2 |
| 257 | 3.6 | . | . | 5.8 | 3.7 | 2.5 | 9.3 | 44.0 | 4.8 |
| 203 | 3.0 | . | 9.1 | 7.1 | 3.5 | 3.4 | . | 55.0 | 5.2 |
| 231 | 3.7 | .7 | 8.2 | 6.0 | 2.1 | 2.5 | . | 41.0 | 5.0 |
| 219 | 3.1 | 2.2 | 6.7 | 6.8 | 2.6 | 2.9 | . | . | 4.3 |
| 244 | 3.0 | 3.8 | 5.5 | 4.9 | 3.4 | 2.6 | 6.0 | . | 4.2 |
| 227 | 3.2 | . | 5.7 | 5.1 | 3.6 | 2.9 | 6.2 | . | 4.4 |
| 224 | . | . | 8.6 | 5.7 | 2.7 | 3.7 | 6.7 | . | 5.0 |
| 268 | 3.3 | 2.6 | 9.7 | 3.3 | 2.9 | 1.5 | 5.2 | 47.0 | . |
| 235 | 3.8 | .8 | 8.7 | 2.9 | 1.6 | . | 5.6 | 39.0 | . |
| 204 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 207 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 221 | . | 1.6 | . | 4.8 | 2.0 | 2.8 | . | 32.0 | 4.3 |
| 245 | . | 2.0 | . | 4.7 | . | 3.2 | . | . | 3.4 |
| 233 | 4.5 | . | . | 5.9 | . | . | 8.8 | 50.0 | . |
| 261 | 3.6 | . | . | 6.2 | 4.5 | . | . | . | . |
| 210 | 4.1 | 3.7 | 5.9 | . | . | . | . | . | . |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Missing Patterns (cases with missing values)

| Case | Variable Values | | | | | | | | |
|------|-----------------|-----|-----|----|-----|----|----|----|-----|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
| 263 | 3.6 | . | 9.9 | . | . | . | . | . | 4.9 |
| 214 | . | 2.7 | 5.0 | . | 2.2 | . | . | . | 3.6 |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

a. Cases are sorted on missing patterns, variables are not sorted.

Tabulated Patterns

| Number of Cases | Missing Patterns ^a | | | | | | | | | | | | | | Complete if ... | v1 ^c |
|-----------------|-------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----------------|-----------------|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 | | |
| 26 | | | | | | | | | | | | | | | 26 | 4.019 |
| 1 | | | X | | | | | | | | | | | | 27 | 5.100 |
| 4 | X | | X | | | | | | | | | | | | 37 | . |
| 6 | X | | | | | | | | | | | | | | 32 | . |
| 1 | X | | | X | | | | | | | | | | | 34 | . |
| 1 | | | | X | | | | | | | | | | | 27 | 3.700 |
| 2 | | | X | X | | | | | | | | | | | 30 | 4.250 |
| 2 | | | X | | X | | | | | | | | | | 30 | 3.500 |
| 1 | | | | | X | | | | | | | | | | 27 | 5.300 |
| 2 | X | | | | X | | | | | | | | | | 35 | . |
| 2 | X | X | | | | | | | | | | | | | 37 | . |
| 3 | | X | | | | | | | | | | | | | 29 | 5.567 |
| 2 | | X | X | | | | | | | | | | | | 32 | 3.350 |
| 1 | | X | | | | | X | | | | | | | | 31 | 3.000 |
| 1 | | | | | | | X | | | | | | | | 27 | 3.700 |
| 1 | | | | | | | X | X | | | | | | | 29 | 3.100 |
| 1 | | | | | | | | X | | | | | | | 27 | 3.000 |
| 1 | | X | | | | | | X | | | | | | | 31 | 3.200 |
| 1 | X | X | | | | | | X | | | | | | | 40 | . |
| 1 | | | | | | | | | X | | | | | | 27 | 3.300 |
| 1 | | | | | | X | | | X | | | | | | 28 | 3.800 |
| 2 | X | | X | | | | | | X | | | | | | 40 | . |
| 1 | X | | X | | | | X | | | | | | | | 39 | . |
| 1 | X | | X | | X | | X | X | | | | X | | X | 47 | . |
| 1 | | X | X | | X | X | | | X | | | X | | X | 38 | 4.500 |
| 1 | | X | X | | | X | X | X | X | | X | | | | 40 | 3.600 |
| 1 | | | | X | X | X | X | X | X | X | | | | | 34 | 4.100 |
| 1 | | X | | X | X | X | X | X | | X | | | | | 37 | 3.600 |
| 1 | X | | | X | | X | X | X | | | X | | X | | 38 | . |

Tabulated Patterns

| | v ₂ ^c | v ₃ ^c | v ₄ ^c | v ₅ ^c | v ₆ ^c | v ₇ ^c | v ₈ ^c | v ₉ ^c |
|-----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Number of Cases | | | | | | | | |
| 26 | 1.950 | 8.354 | 5.269 | 2.981 | 2.600 | 6.754 | 48.308 | 4.896 |
| 1 | 1.400 | . | 4.800 | 3.300 | 2.600 | 3.800 | 49.000 | 4.900 |
| 4 | 1.750 | . | 3.900 | 1.850 | 2.050 | 7.600 | 39.500 | 3.875 |
| 6 | 2.233 | 8.267 | 4.750 | 2.450 | 2.300 | 6.550 | 45.167 | 4.650 |
| 1 | 1.800 | 7.700 | . | 3.400 | 1.500 | 5.900 | 40.000 | 5.600 |
| 1 | 1.400 | 9.000 | . | 2.600 | 2.300 | 6.800 | 45.000 | 4.900 |
| 2 | 1.050 | . | . | 2.600 | 2.600 | 6.050 | 48.000 | 5.500 |
| 2 | 2.050 | . | 4.550 | . | 2.800 | 6.050 | 50.500 | 4.900 |
| 1 | 1.400 | 9.700 | 6.100 | . | 3.900 | 6.800 | 54.000 | 5.900 |
| 2 | 2.200 | 5.800 | 5.000 | . | 2.400 | 8.400 | 31.500 | 3.550 |
| 2 | . | 7.300 | 5.150 | 3.300 | 2.500 | 8.050 | 49.500 | 4.850 |
| 3 | . | 8.300 | 5.867 | 3.767 | 3.200 | 7.467 | 51.000 | 5.300 |
| 2 | . | . | 6.800 | 3.650 | 3.250 | 7.600 | 43.500 | 5.000 |
| 1 | . | 9.100 | 7.100 | 3.500 | 3.400 | . | 55.000 | 5.200 |
| 1 | .700 | 8.200 | 6.000 | 2.100 | 2.500 | . | 41.000 | 5.000 |
| 1 | 2.200 | 6.700 | 6.800 | 2.600 | 2.900 | . | . | 4.300 |
| 1 | 3.800 | 5.500 | 4.900 | 3.400 | 2.600 | 6.000 | . | 4.200 |
| 1 | . | 5.700 | 5.100 | 3.600 | 2.900 | 6.200 | . | 4.400 |
| 1 | . | 8.600 | 5.700 | 2.700 | 3.700 | 6.700 | . | 5.000 |
| 1 | 2.600 | 9.700 | 3.300 | 2.900 | 1.500 | 5.200 | 47.000 | . |
| 1 | .800 | 8.700 | 2.900 | 1.600 | . | 5.600 | 39.000 | . |
| 2 | 1.500 | . | 4.800 | 1.900 | 2.500 | 7.200 | 36.000 | . |
| 1 | 1.600 | . | 4.800 | 2.000 | 2.800 | . | 32.000 | 4.300 |
| 1 | 2.000 | . | 4.700 | . | 3.200 | . | . | 3.400 |
| 1 | . | . | 5.900 | . | . | 8.800 | 50.000 | . |
| 1 | . | . | 6.200 | 4.500 | . | . | . | . |
| 1 | 3.700 | 5.900 | . | . | . | . | . | . |
| 1 | . | 9.900 | . | . | . | . | . | 4.900 |
| 1 | 2.700 | 5.000 | . | 2.200 | . | . | . | 3.600 |

a. Variables are not sorted.

b. Number of complete cases if variables missing in that pattern (marked with X) are not used.

c. Means at each unique pattern

Listwise Statistics

Listwise Means

| Number of cases | v ₁ | v ₂ | v ₃ | v ₄ | v ₅ | v ₆ | v ₇ | v ₈ | v ₉ |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 26 | 4.019 | 1.950 | 8.354 | 5.269 | 2.981 | 2.600 | 6.754 | 48.308 | 4.896 |

Listwise Covariances

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | .9184 | | | | | | | | |
| v2 | -.4266 | .7850 | | | | | | | |
| v3 | .4813 | -.3052 | 1.3682 | | | | | | |
| v4 | -.2594 | .3132 | -.0787 | 1.2166 | | | | | |
| v5 | .2644 | .1818 | .0895 | .0246 | .2376 | | | | |
| v6 | -.0668 | .2344 | -.0572 | .6596 | .0772 | .5536 | | | |
| v7 | -.5519 | .4344 | -.3730 | .5837 | -.1009 | .5452 | 1.9178 | | |
| v8 | 4.6218 | .3440 | 6.0988 | 1.6938 | 2.6782 | 1.8040 | -1.1012 | 64.7815 | |
| v9 | .4221 | -.1978 | .6802 | .1507 | .1187 | .0384 | -.4498 | 3.6572 | .6436 |

Listwise Correlations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|-------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.502 | 1 | | | | | | | |
| v3 | .429 | -.294 | 1 | | | | | | |
| v4 | -.245 | .320 | -.061 | 1 | | | | | |
| v5 | .566 | .421 | .157 | .046 | 1 | | | | |
| v6 | -.094 | .356 | -.066 | .804 | .213 | 1 | | | |
| v7 | -.416 | .354 | -.230 | .382 | -.150 | .529 | 1 | | |
| v8 | .599 | .048 | .648 | .191 | .683 | .301 | -.099 | 1 | |
| v9 | .549 | -.278 | .725 | .170 | .304 | .064 | -.405 | .566 | 1 |

Pairwise Statistics

Pairwise Frequencies

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
|-----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| v1 | 49 | | | | | | | | | | | | | |
| v2 | 39 | 57 | | | | | | | | | | | | |
| v3 | 40 | 44 | 53 | | | | | | | | | | | |
| v4 | 44 | 51 | 48 | 63 | | | | | | | | | | |
| v5 | 43 | 50 | 48 | 56 | 61 | | | | | | | | | |
| v6 | 44 | 54 | 49 | 60 | 58 | 64 | | | | | | | | |
| v7 | 43 | 51 | 47 | 57 | 55 | 59 | 61 | | | | | | | |
| v8 | 43 | 52 | 46 | 57 | 55 | 59 | 58 | 61 | | | | | | |
| v9 | 44 | 52 | 50 | 57 | 56 | 61 | 56 | 56 | 63 | | | | | |
| v10 | 47 | 56 | 51 | 63 | 61 | 64 | 61 | 61 | 62 | 68 | | | | |
| v11 | 48 | 56 | 52 | 62 | 59 | 64 | 61 | 61 | 62 | 66 | 68 | | | |
| v12 | 48 | 56 | 53 | 61 | 61 | 63 | 60 | 60 | 62 | 66 | 66 | 68 | | |
| v13 | 49 | 56 | 52 | 63 | 60 | 64 | 61 | 61 | 62 | 67 | 68 | 67 | 69 | |
| v14 | 48 | 56 | 53 | 61 | 61 | 63 | 60 | 60 | 62 | 66 | 66 | 68 | 67 | 68 |

Pairwise Means

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| v1 | 4.008 | 1.921 | 8.255 | 5.373 | 3.056 | 2.707 | 6.665 | 48.209 | 4.948 |
| v2 | 3.977 | 1.944 | 8.057 | 4.982 | 2.694 | 2.519 | 6.682 | 45.462 | 4.706 |
| v3 | 4.025 | 2.036 | 8.062 | 5.235 | 2.931 | 2.612 | 6.796 | 47.022 | 4.818 |
| v4 | 4.011 | 1.943 | 8.121 | 5.168 | 2.871 | 2.635 | 6.867 | 46.088 | 4.733 |
| v5 | 3.998 | 1.904 | 8.129 | 5.175 | 2.856 | 2.579 | 6.758 | 46.182 | 4.798 |
| v6 | 4.018 | 1.919 | 8.118 | 5.177 | 2.860 | 2.611 | 6.810 | 46.085 | 4.775 |
| v7 | 4.077 | 1.920 | 8.138 | 5.088 | 2.860 | 2.581 | 6.823 | 46.207 | 4.805 |
| v8 | 4.088 | 1.854 | 8.261 | 5.126 | 2.822 | 2.573 | 6.850 | 46.033 | 4.821 |
| v9 | 4.025 | 1.937 | 8.060 | 5.223 | 2.882 | 2.633 | 6.825 | 46.429 | 4.759 |
| v10 | 4.015 | 1.913 | 8.069 | 5.168 | 2.856 | 2.611 | 6.823 | 46.033 | 4.756 |
| v11 | 4.017 | 1.930 | 8.121 | 5.152 | 2.839 | 2.611 | 6.823 | 46.033 | 4.777 |
| v12 | 3.998 | 1.943 | 8.062 | 5.164 | 2.856 | 2.602 | 6.790 | 45.967 | 4.781 |
| v13 | 4.008 | 1.930 | 8.121 | 5.168 | 2.867 | 2.611 | 6.823 | 46.033 | 4.777 |
| v14 | 3.998 | 1.943 | 8.062 | 5.164 | 2.856 | 2.602 | 6.790 | 45.967 | 4.781 |

Mean of quantitative variable when other variable is present.

Pairwise Standard Deviations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-----|-------|-------|--------|--------|-------|-------|--------|--------|-------|
| v1 | .9318 | .9200 | 1.3032 | 1.2185 | .6242 | .7321 | 1.5357 | 7.7477 | .7096 |
| v2 | .8845 | .8751 | 1.4334 | 1.1119 | .7243 | .6796 | 1.6686 | 9.4027 | .8768 |
| v3 | .9834 | .8832 | 1.4072 | 1.1643 | .6956 | .7412 | 1.6007 | 9.8036 | .8366 |
| v4 | .9751 | .8624 | 1.3397 | 1.1714 | .7963 | .7255 | 1.7230 | 9.5754 | .8384 |
| v5 | .9605 | .8864 | 1.3133 | 1.2257 | .7760 | .7235 | 1.6616 | 9.2298 | .8161 |
| v6 | .9770 | .8454 | 1.3305 | 1.1522 | .7424 | .7174 | 1.6821 | 9.4564 | .8320 |
| v7 | .9661 | .8656 | 1.3377 | 1.1665 | .7603 | .7343 | 1.6809 | 9.3166 | .8411 |
| v8 | .9582 | .8318 | 1.2421 | 1.2002 | .7697 | .7268 | 1.7189 | 9.3559 | .8396 |
| v9 | .9729 | .8593 | 1.3939 | 1.1526 | .7383 | .7204 | 1.7120 | 9.5114 | .8319 |
| v10 | .9498 | .8500 | 1.3778 | 1.1714 | .7760 | .7174 | 1.6809 | 9.3559 | .8385 |
| v11 | .9397 | .8770 | 1.3533 | 1.1734 | .7541 | .7174 | 1.6809 | 9.3559 | .8253 |
| v12 | .9389 | .8829 | 1.4072 | 1.1855 | .7760 | .7192 | 1.6751 | 9.4204 | .8202 |
| v13 | .9318 | .8770 | 1.3533 | 1.1714 | .7778 | .7174 | 1.6809 | 9.3559 | .8253 |
| v14 | .9389 | .8829 | 1.4072 | 1.1855 | .7760 | .7192 | 1.6751 | 9.4204 | .8202 |

Standard deviation of quantitative variable when other variable is present.

Pairwise Covariances

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | .8683 | | | | | | | | |
| v2 | -.3632 | .7657 | | | | | | | |
| v3 | .4750 | -.5293 | 1.9801 | | | | | | |
| v4 | -.1181 | .2860 | -.1020 | 1.3722 | | | | | |
| v5 | .1901 | .2704 | .0897 | .4329 | .6022 | | | | |
| v6 | .0222 | .1491 | -.0346 | .6679 | .1848 | .5146 | | | |
| v7 | -.1775 | .5022 | -.7668 | .8155 | .0839 | .4964 | 2.8255 | | |
| v8 | 2.8001 | 1.1668 | 7.3231 | 2.5994 | 5.0552 | 1.8403 | -3.0579 | 87.5322 | |
| v9 | .3548 | -.1512 | .8244 | .3692 | .3272 | .1227 | -.3681 | 5.3434 | .6921 |

Pairwise Correlations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.446 | 1 | | | | | | | |
| v3 | .371 | -.418 | 1 | | | | | | |
| v4 | -.099 | .298 | -.065 | 1 | | | | | |
| v5 | .317 | .421 | .098 | .444 | 1 | | | | |
| v6 | .031 | .259 | -.035 | .799 | .344 | 1 | | | |
| v7 | -.120 | .348 | -.358 | .406 | .066 | .402 | 1 | | |
| v8 | .377 | .149 | .601 | .226 | .712 | .268 | -.191 | 1 | |
| v9 | .514 | -.201 | .707 | .382 | .543 | .205 | -.256 | .669 | 1 |

EM Estimated Statistics

EM Means^a

| v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 3.686 | 2.104 | 8.019 | 5.178 | 2.848 | 2.630 | 6.932 | 45.791 | 4.737 |

a. Little's MCAR test: Chi-Square = 198.533, DF = 180, Sig. = .164

EM Covariances^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | 1.2742 | | | | | | | | |
| v2 | -.3497 | 1.1004 | | | | | | | |
| v3 | .6250 | -.6199 | 1.8478 | | | | | | |
| v4 | .1757 | .4227 | -.2257 | 1.3131 | | | | | |
| v5 | .5455 | .4456 | -.0107 | .3876 | .6018 | | | | |
| v6 | .1162 | .2248 | -.1061 | .6164 | .1827 | .5083 | | | |
| v7 | -.3890 | .6222 | -.7573 | .8066 | .1338 | .5086 | 2.8793 | | |
| v8 | 6.0091 | 2.2127 | 6.5284 | 2.1174 | 4.8685 | 1.6082 | -2.8461 | 87.7757 | |
| v9 | .5911 | -.0343 | .6489 | .3331 | .3431 | .1061 | -.3276 | 5.1655 | .6700 |

a. Little's MCAR test: Chi-Square = 198.533, DF = 180, Sig. = .164

EM Correlations^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.295 | 1 | | | | | | | |
| v3 | .407 | -.435 | 1 | | | | | | |
| v4 | .136 | .352 | -.145 | 1 | | | | | |
| v5 | .623 | .548 | -.010 | .436 | 1 | | | | |
| v6 | .144 | .301 | -.110 | .755 | .330 | 1 | | | |
| v7 | -.203 | .350 | -.328 | .415 | .102 | .420 | 1 | | |
| v8 | .568 | .225 | .513 | .197 | .670 | .241 | -.179 | 1 | |
| v9 | .640 | -.040 | .583 | .355 | .540 | .182 | -.236 | .674 | 1 |

a. Little's MCAR test: Chi-Square = 198.533, DF = 180, Sig. = .164

Regression Estimated Statistics

Regression Means^a

| v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 3.866 | 2.022 | 7.966 | 5.129 | 2.855 | 2.591 | 6.959 | 45.464 | 4.712 |

a. Random normal variate is added to each estimate.

Regression Covariances^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | .9114 | | | | | | | | |
| v2 | -.2745 | .7385 | | | | | | | |
| v3 | .4981 | -.4025 | 1.8182 | | | | | | |
| v4 | .0787 | .2631 | -.0622 | 1.2666 | | | | | |
| v5 | .3268 | .3166 | .0537 | .3280 | .6149 | | | | |
| v6 | .0709 | .1532 | -.0113 | .6209 | .1600 | .5025 | | | |
| v7 | -.2864 | .3718 | -.9083 | .7655 | -.0711 | .4436 | 2.7540 | | |
| v8 | 4.1877 | 1.0800 | 7.0607 | 2.2633 | 4.2333 | 1.8512 | -3.6057 | 85.6938 | |
| v9 | .4719 | -1.063 | .6993 | .3459 | .2636 | .1559 | -.3064 | 5.3895 | .6921 |

a. Random normal variate is added to each estimate.

Regression Correlations^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|-------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.335 | 1 | | | | | | | |
| v3 | .387 | -.347 | 1 | | | | | | |
| v4 | .073 | .272 | -.041 | 1 | | | | | |
| v5 | .437 | .470 | .051 | .372 | 1 | | | | |
| v6 | .105 | .251 | -.012 | .778 | .288 | 1 | | | |
| v7 | -.181 | .261 | -.406 | .410 | -.055 | .377 | 1 | | |
| v8 | .474 | .136 | .566 | .217 | .583 | .282 | -.235 | 1 | |
| v9 | .594 | -.149 | .623 | .369 | .404 | .264 | -.222 | .700 | 1 |

a. Random normal variate is added to each estimate.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Frequencies

NMISS

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | .00 | 26 | 40.6 | 40.6 | 40.6 |
| | 1.00 | 15 | 23.4 | 23.4 | 64.1 |
| | 2.00 | 19 | 29.7 | 29.7 | 93.8 |
| | 3.00 | 4 | 6.3 | 6.3 | 100.0 |
| | Total | 64 | 100.0 | 100.0 | |

MVA

Warnings

Since more than half of the cases are missing, error terms are randomly from a Normal distribution instead of chosen randomly from the observed residuals of complete cases.

Univariate Statistics

| | N | Mean | Std. Deviation | Missing | | No. of Extremes ^a | |
|-----|----|--------|----------------|---------|---------|------------------------------|------|
| | | | | Count | Percent | Low | High |
| v1 | 45 | 4.013 | .9664 | 19 | 29.7 | 0 | 0 |
| v2 | 54 | 1.896 | .8589 | 10 | 15.6 | 0 | 0 |
| v3 | 50 | 8.130 | 1.3194 | 14 | 21.9 | 0 | 0 |
| v4 | 60 | 5.147 | 1.1877 | 4 | 6.3 | 0 | 0 |
| v5 | 59 | 2.839 | .7541 | 5 | 7.8 | 0 | 0 |
| v6 | 63 | 2.602 | .7192 | 1 | 1.6 | 0 | 0 |
| v7 | 60 | 6.790 | 1.6751 | 4 | 6.3 | 0 | 0 |
| v8 | 60 | 45.967 | 9.4204 | 4 | 6.3 | 0 | 0 |
| v9 | 60 | 4.798 | .8194 | 4 | 6.3 | 0 | 0 |
| v10 | 64 | | | 0 | .0 | | |
| v11 | 64 | | | 0 | .0 | | |
| v12 | 64 | | | 0 | .0 | | |
| v13 | 64 | | | 0 | .0 | | |
| v14 | 64 | | | 0 | .0 | | |

a. Number of cases outside the range (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Summary of Estimated Means

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Listwise | 4.019 | 1.950 | 8.354 | 5.269 | 2.981 | 2.600 | 6.754 | 48.308 | 4.896 |
| All Values | 4.013 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| EM | 3.711 | 2.034 | 8.110 | 5.149 | 2.823 | 2.602 | 6.844 | 45.848 | 4.767 |
| Regression | 3.862 | 1.939 | 8.068 | 5.132 | 2.842 | 2.587 | 6.753 | 45.664 | 4.790 |

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Summary of Estimated Standard Deviations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|------------|--------|--------|--------|--------|-------|-------|--------|--------|-------|
| Listwise | .9583 | .8860 | 1.1697 | 1.1030 | .4875 | .7440 | 1.3848 | 8.0487 | .8022 |
| All Values | .9664 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| EM | 1.1463 | 1.0011 | 1.2724 | 1.1585 | .7458 | .7148 | 1.6804 | 9.2896 | .8156 |
| Regression | .9800 | .8728 | 1.2655 | 1.1571 | .7455 | .7226 | 1.6378 | 9.2286 | .8068 |

Separate Variance t Tests^a

| | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|---------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| v1 | t | . | -.3 | 1.3 | 2.2 | 2.6 | 1.9 | -1.1 | 2.6 | 2.1 |
| | df | . | 30.3 | 16.3 | 41.9 | 21.4 | 38.8 | 25.9 | 24.8 | 23.5 |
| | P(2-tail) | . | .763 | .223 | .033 | .017 | .065 | .273 | .017 | .049 |
| | # Present | 45 | 38 | 38 | 42 | 42 | 44 | 42 | 42 | 43 |
| | # Missing | 0 | 16 | 12 | 18 | 17 | 19 | 18 | 18 | 17 |
| | Mean(Present) | 4.013 | 1.874 | 8.274 | 5.340 | 3.021 | 2.707 | 6.614 | 48.167 | 4.949 |
| | Mean(Missing) | . | 1.950 | 7.675 | 4.694 | 2.388 | 2.358 | 7.200 | 40.833 | 4.418 |
| v2 | t | -.5 | . | .7 | -2.2 | -4.2 | -2.4 | -1.2 | -1.1 | -1.2 |
| | df | 7.0 | . | 10.3 | 12.1 | 17.8 | 12.0 | 11.0 | 9.3 | 18.6 |
| | P(2-tail) | .646 | . | .528 | .044 | .001 | .034 | .260 | .318 | .233 |
| | # Present | 38 | 54 | 42 | 50 | 49 | 53 | 51 | 52 | 50 |
| | # Missing | 7 | 0 | 8 | 10 | 10 | 10 | 9 | 8 | 10 |
| | Mean(Present) | 3.974 | 1.896 | 8.181 | 4.988 | 2.704 | 2.506 | 6.682 | 45.462 | 4.754 |
| | Mean(Missing) | 4.229 | . | 7.863 | 5.940 | 3.500 | 3.110 | 7.400 | 49.250 | 5.020 |
| v3 | t | .4 | 1.4 | . | 1.1 | 2.0 | .2 | .0 | 1.9 | .9 |
| | df | 10.3 | 18.3 | . | 16.0 | 14.9 | 23.2 | 16.5 | 28.7 | 18.2 |
| | P(2-tail) | .693 | .180 | . | .286 | .066 | .818 | .965 | .073 | .399 |
| | # Present | 38 | 42 | 50 | 48 | 47 | 49 | 47 | 46 | 48 |
| | # Missing | 7 | 12 | 0 | 12 | 12 | 14 | 13 | 14 | 12 |
| | Mean(Present) | 4.034 | 1.981 | 8.130 | 5.235 | 2.947 | 2.612 | 6.796 | 47.022 | 4.842 |
| | Mean(Missing) | 3.900 | 1.600 | . | 4.792 | 2.417 | 2.564 | 6.769 | 42.500 | 4.625 |
| v4 | t | -.2 | 2.6 | -.3 | . | .2 | 1.4 | 1.5 | .2 | -2.4 |
| | df | 3.0 | 5.5 | 1.2 | . | 4.0 | 3.8 | 5.8 | 4.1 | 4.5 |
| | P(2-tail) | .882 | .046 | .785 | . | .888 | .249 | .197 | .830 | .064 |
| | # Present | 42 | 50 | 48 | 60 | 55 | 59 | 56 | 56 | 56 |
| | # Missing | 3 | 4 | 2 | 0 | 4 | 4 | 4 | 4 | 4 |
| | Mean(Present) | 4.010 | 1.942 | 8.121 | 5.147 | 2.842 | 2.625 | 6.832 | 46.018 | 4.757 |
| | Mean(Missing) | 4.067 | 1.325 | 8.350 | . | 2.800 | 2.250 | 6.200 | 45.250 | 5.375 |
| v5 | t | -.1 | -.3 | .8 | .4 | . | -.9 | -.4 | .5 | .6 |
| | df | 2.2 | 6.4 | 2.1 | 7.1 | . | 4.8 | 4.5 | 4.4 | 4.5 |
| | P(2-tail) | .900 | .749 | .502 | .734 | . | .423 | .696 | .669 | .605 |
| | # Present | 42 | 49 | 47 | 55 | 59 | 58 | 55 | 55 | 55 |
| | # Missing | 3 | 5 | 3 | 5 | 0 | 5 | 5 | 5 | 5 |
| | Mean(Present) | 4.007 | 1.888 | 8.196 | 5.156 | 2.839 | 2.579 | 6.758 | 46.182 | 4.820 |
| | Mean(Missing) | 4.100 | 1.980 | 7.100 | 5.040 | . | 2.860 | 7.140 | 43.600 | 4.560 |

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Separate Variance t Tests^a

| | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|---------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| v7 | t | 3.0 | .9 | .2 | -2.1 | .9 | -1.5 | . | .5 | .4 |
| | df | 4.3 | 2.3 | 2.3 | 3.6 | 3.6 | 4.8 | . | 2.1 | 4.5 |
| | P(2-tail) | .036 | .440 | .864 | .118 | .441 | .193 | . | .658 | .704 |
| | # Present | 42 | 51 | 47 | 56 | 55 | 59 | 60 | 57 | 56 |
| | # Missing | 3 | 3 | 3 | 4 | 4 | 4 | 0 | 3 | 4 |
| | Mean(Present) | 4.067 | 1.920 | 8.138 | 5.073 | 2.860 | 2.581 | 6.790 | 46.140 | 4.805 |
| | Mean(Missing) | 3.267 | 1.500 | 8.000 | 6.175 | 2.550 | 2.900 | . | 42.667 | 4.700 |
| v8 | t | 6.1 | -1.4 | 2.2 | -1.1 | -.9 | -1.8 | 1.7 | . | 1.6 |
| | df | 37.2 | 1.0 | 3.4 | 3.9 | 4.1 | 4.0 | 9.1 | . | 5.7 |
| | P(2-tail) | .000 | .384 | .101 | .326 | .401 | .149 | .128 | . | .155 |
| | # Present | 42 | 52 | 46 | 56 | 55 | 59 | 57 | 60 | 56 |
| | # Missing | 3 | 2 | 4 | 4 | 4 | 4 | 3 | 0 | 4 |
| | Mean(Present) | 4.079 | 1.854 | 8.261 | 5.113 | 2.822 | 2.573 | 6.816 | 45.967 | 4.821 |
| | Mean(Missing) | 3.100 | 3.000 | 6.625 | 5.625 | 3.075 | 3.025 | 6.300 | . | 4.475 |
| v9 | t | 1.7 | .8 | -2.1 | 2.5 | 2.7 | 1.3 | .9 | 2.4 | . |
| | df | 1.8 | 3.7 | 1.3 | 3.6 | 3.8 | 2.3 | 4.2 | 4.6 | . |
| | P(2-tail) | .249 | .463 | .235 | .076 | .056 | .302 | .409 | .066 | . |
| | # Present | 43 | 50 | 48 | 56 | 55 | 60 | 56 | 56 | 60 |
| | # Missing | 2 | 4 | 2 | 4 | 4 | 3 | 4 | 4 | 0 |
| | Mean(Present) | 4.035 | 1.920 | 8.085 | 5.232 | 2.895 | 2.623 | 6.825 | 46.429 | 4.798 |
| | Mean(Missing) | 3.550 | 1.600 | 9.200 | 3.950 | 2.075 | 2.167 | 6.300 | 39.500 | . |

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

a. Indicator variables with less than 5% missing are not displayed.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns | | | | | | | | | | | | | |
|------|-----------|-----------|------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 201 | 0 | .0 | | | | | | | | | | | | | | |
| 202 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 203 | 2 | 14.3 | | S | | | | | S | | | | | | | |
| 204 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 205 | 1 | 7.1 | | | S | | | | | | | | | | | |
| 206 | 0 | .0 | | | | | | | | | | | | | | |
| 207 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 208 | 0 | .0 | | | | | | | | | | | | | | |
| 209 | 0 | .0 | | | | | | | | | | | | | | |
| 211 | 0 | .0 | | | | | | | | | | | | | | |
| 212 | 0 | .0 | | | | | | | | | | | | | | |
| 213 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 215 | 0 | .0 | | | | | | | | | | | | | | |
| 216 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 217 | 0 | .0 | | | | | | | | | | | | | | |
| 218 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 219 | 2 | 14.3 | | | | | | | S | S | | | | | | |
| 220 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 221 | 3 | 21.4 | S | | S | | | | S | | | | | | | |
| 222 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 223 | 0 | .0 | | | | | | | | | | | | | | |
| 224 | 3 | 21.4 | S | S | | | | | | S | | | | | | |
| 225 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 226 | 0 | .0 | | | | | | | | | | | | | | |
| 227 | 2 | 14.3 | | S | | | | | | S | | | | | | |
| 228 | 2 | 14.3 | S | | | S | | | | | | | | | | |
| 229 | 1 | 7.1 | | | | | S | | | | | | | | | |
| 230 | 0 | .0 | | | | | | | | | | | | | | |
| 231 | 1 | 7.1 | | | | | | | S | | | | | | | |
| 232 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 234 | 0 | .0 | | | | | | | | | | | | | | |
| 235 | 2 | 14.3 | | | | | | S | | | S | | | | | |
| 236 | 0 | .0 | | | | | | | | | | | | | | |
| 237 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 238 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 239 | 0 | .0 | | | | | | | | | | | | | | |
| 240 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 241 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 242 | 0 | .0 | | | | | | | | | | | | | | |
| 243 | 0 | .0 | | | | | | | | | | | | | | |
| 244 | 1 | 7.1 | | | | | | | | S | | | | | | |
| 246 | 1 | 7.1 | | | | S | | | | | | | | | | |
| 247 | 0 | .0 | | | | | | | | | | | | | | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns | | | | | | | | | | | | | |
|------|-----------|-----------|------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 248 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 249 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 250 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 251 | 0 | .0 | | | | | | | | | | | | | | |
| 252 | 0 | .0 | | | | | | | | | | | | | | |
| 253 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 254 | 0 | .0 | | | | | | | | | | | | | | |
| 255 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 256 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 257 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 258 | 0 | .0 | | | | | | | | | | | | | | |
| 259 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 260 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 262 | 0 | .0 | | | | | | | | | | | | | | |
| 264 | 0 | .0 | | | | | | | | | | | | | | |
| 265 | 0 | .0 | | | | | | | | | | | | | | |
| 266 | 0 | .0 | | | | | | | | | | | | | | |
| 267 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 268 | 1 | 7.1 | | | | | | | | | S | | | | | |
| 269 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 270 | 0 | .0 | | | | | | | | | | | | | | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

| Case | Variable Values | | | | | | | | |
|------|-----------------|-----|-----|-----|-----|-----|-----|------|-----|
| | V1 | V2 | V3 | V4 | V5 | V6 | V7 | V8 | V9 |
| 201 | 3.3 | .9 | 8.6 | 4.0 | 2.1 | 1.8 | 6.3 | 41.0 | 4.5 |
| 202 | . | .4 | . | 2.5 | 1.2 | 1.7 | 5.2 | 35.0 | 3.3 |
| 203 | 3.0 | . | 9.1 | 7.1 | 3.5 | 3.4 | . | 55.0 | 5.2 |
| 204 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 205 | 5.1 | 1.4 | . | 4.8 | 3.3 | 2.6 | 3.8 | 49.0 | 4.9 |
| 206 | 4.6 | 2.1 | 7.9 | 5.8 | 3.4 | 2.8 | 4.7 | 49.0 | 5.9 |
| 207 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 208 | 5.2 | 1.3 | 9.7 | 6.1 | 3.2 | 3.9 | 6.7 | 54.0 | 5.8 |
| 209 | 3.5 | 2.8 | 9.9 | 3.5 | 3.1 | 1.7 | 5.4 | 49.0 | 5.4 |
| 211 | 3.0 | 2.8 | 7.8 | 7.1 | 3.0 | 3.8 | 7.9 | 49.0 | 4.4 |
| 212 | 4.8 | 1.7 | 7.6 | 4.2 | 3.3 | 1.4 | 5.8 | 39.0 | 5.5 |
| 213 | 3.1 | . | . | 7.8 | 3.6 | 4.0 | 5.9 | 43.0 | 5.2 |
| 215 | 4.0 | .5 | 6.7 | 4.5 | 2.2 | 2.1 | 5.0 | 31.0 | 4.0 |
| 216 | . | 1.6 | 6.4 | 5.0 | . | 2.1 | 8.4 | 25.0 | 3.4 |
| 217 | 6.1 | .5 | 9.2 | 4.8 | 3.3 | 2.8 | 7.1 | 60.0 | 5.2 |
| 218 | . | 2.8 | 5.2 | 5.0 | . | 2.7 | 8.4 | 38.0 | 3.7 |
| 219 | 3.1 | 2.2 | 6.7 | 6.8 | 2.6 | 2.9 | . | . | 4.3 |
| 220 | 6.5 | . | 9.0 | 7.0 | 3.2 | 3.7 | 8.0 | 33.0 | 5.4 |
| 221 | . | 1.6 | . | 4.8 | 2.0 | 2.8 | . | 32.0 | 4.3 |
| 222 | 3.9 | 2.2 | . | 4.6 | . | 2.5 | 8.3 | 47.0 | 5.0 |
| 223 | 2.8 | 1.4 | 8.1 | 3.8 | 2.1 | 1.4 | 6.6 | 39.0 | 4.4 |
| 224 | . | . | 8.6 | 5.7 | 2.7 | 3.7 | 6.7 | . | 5.0 |
| 225 | 4.7 | 1.3 | . | . | 3.0 | 2.6 | 6.8 | 54.0 | 5.9 |
| 226 | 3.4 | 2.0 | 9.7 | 4.7 | 2.7 | 1.7 | 4.8 | 49.0 | 4.7 |
| 227 | 3.2 | . | 5.7 | 5.1 | 3.6 | 2.9 | 6.2 | . | 4.4 |
| 228 | . | 1.8 | 7.7 | . | 3.4 | 1.5 | 5.9 | 40.0 | 5.6 |
| 229 | 5.3 | 1.4 | 9.7 | 6.1 | . | 3.9 | 6.8 | 54.0 | 5.9 |
| 230 | 4.7 | 1.3 | 9.9 | 6.7 | 3.0 | 2.6 | 6.8 | 55.0 | 6.0 |
| 231 | 3.7 | .7 | 8.2 | 6.0 | 2.1 | 2.5 | . | 41.0 | 5.0 |
| 232 | . | . | 8.2 | 5.0 | 3.6 | 2.5 | 9.0 | 53.0 | 5.2 |
| 234 | 2.8 | 2.4 | 6.7 | 4.9 | 2.5 | 2.6 | 9.2 | 32.0 | 3.7 |
| 235 | 3.8 | .8 | 8.7 | 2.9 | 1.6 | . | 5.6 | 39.0 | . |
| 236 | 2.9 | 2.6 | 7.7 | 7.0 | 2.8 | 3.6 | 7.7 | 47.0 | 4.2 |
| 237 | 4.9 | . | 7.4 | 6.9 | 4.6 | 4.0 | 9.6 | 62.0 | 6.2 |
| 238 | . | 2.5 | 9.6 | 5.5 | 4.0 | 3.0 | 7.7 | 65.0 | 6.0 |
| 239 | 4.3 | 1.8 | 7.6 | 5.4 | 3.1 | 2.5 | 4.4 | 46.0 | 5.6 |
| 240 | . | 1.5 | 9.9 | 2.7 | 1.3 | 1.2 | 1.7 | 50.0 | 5.0 |
| 241 | 3.1 | 1.9 | . | 4.5 | . | 3.1 | 3.8 | 54.0 | 4.8 |
| 242 | 5.1 | 1.9 | 9.2 | 5.8 | 3.6 | 2.3 | 4.5 | 60.0 | 6.1 |
| 243 | 4.1 | 1.1 | 9.3 | 5.5 | 2.5 | 2.7 | 7.4 | 47.0 | 5.3 |
| 244 | 3.0 | 3.8 | 5.5 | 4.9 | 3.4 | 2.6 | 6.0 | . | 4.2 |
| 246 | 3.7 | 1.4 | 9.0 | . | 2.6 | 2.3 | 6.8 | 45.0 | 4.9 |
| 247 | 4.2 | 2.5 | 9.2 | 6.2 | 3.3 | 3.9 | 7.3 | 59.0 | 6.0 |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Data Patterns (all cases)

| Case | Variable Values | | | | | | | | |
|------|-----------------|-----|-----|-----|-----|-----|-----|------|-----|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
| 248 | . | . | 6.4 | 5.3 | 3.0 | 2.5 | 7.1 | 46.0 | 4.5 |
| 249 | 5.3 | . | 8.5 | 3.7 | 3.5 | 1.9 | 4.8 | 58.0 | 4.3 |
| 250 | . | 3.7 | . | 5.2 | 3.0 | 2.3 | 9.1 | 49.0 | 4.8 |
| 251 | 3.0 | 3.2 | 6.0 | 5.3 | 3.1 | 3.0 | 8.0 | 43.0 | 3.3 |
| 252 | 2.8 | 3.8 | 8.9 | 6.9 | 3.3 | 3.2 | 8.2 | 53.0 | 5.0 |
| 253 | . | 2.0 | 9.3 | 5.9 | 3.7 | 2.4 | 4.6 | 60.0 | 6.1 |
| 254 | 3.4 | 3.7 | 6.4 | 5.7 | 3.5 | 3.4 | 8.4 | 47.0 | 3.8 |
| 255 | . | 1.0 | . | 3.4 | 1.7 | 1.1 | 6.2 | 35.0 | 4.1 |
| 256 | . | 3.3 | 7.5 | 4.5 | 2.5 | 2.4 | 7.6 | 39.0 | 3.6 |
| 257 | 3.6 | . | . | 5.8 | 3.7 | 2.5 | 9.3 | 44.0 | 4.8 |
| 258 | 4.0 | .9 | 9.1 | 5.4 | 2.4 | 2.6 | 7.3 | 46.0 | 5.1 |
| 259 | . | 2.1 | 6.9 | 5.4 | 1.1 | 2.6 | 8.9 | 29.0 | 3.9 |
| 260 | . | 2.0 | 6.4 | 4.5 | 2.1 | 2.2 | 8.8 | 28.0 | 3.3 |
| 262 | 5.6 | 2.2 | 8.2 | 3.1 | 4.0 | 1.6 | 5.3 | 55.0 | 3.9 |
| 264 | 5.2 | 1.3 | 9.1 | 4.5 | 3.3 | 2.7 | 7.3 | 60.0 | 5.1 |
| 265 | 3.0 | 2.0 | 6.6 | 6.6 | 2.4 | 2.7 | 8.2 | 41.0 | 4.1 |
| 266 | 4.2 | 2.4 | 9.4 | 4.9 | 3.2 | 2.7 | 8.5 | 49.0 | 5.2 |
| 267 | 3.8 | .8 | . | . | 2.2 | 2.6 | 5.3 | 42.0 | 5.1 |
| 268 | 3.3 | 2.6 | 9.7 | 3.3 | 2.9 | 1.5 | 5.2 | 47.0 | . |
| 269 | . | 1.9 | . | 4.5 | 1.5 | 3.1 | 9.9 | 39.0 | 3.3 |
| 270 | 4.5 | 1.6 | 8.7 | 4.6 | 3.1 | 2.1 | 6.8 | 56.0 | 5.1 |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Missing Patterns (cases with missing values)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns ^a | | | | | | | | | | | | | |
|------|-----------|-----------|---|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 205 | 1 | 7.1 | | | S | | | | | | | | | | | |
| 202 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 250 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 255 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 269 | 2 | 14.3 | S | | S | | | | | | | | | | | |
| 238 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 240 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 253 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 256 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 259 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 260 | 1 | 7.1 | S | | | | | | | | | | | | | |
| 228 | 2 | 14.3 | S | | | S | | | | | | | | | | |
| 246 | 1 | 7.1 | | | | S | | | | | | | | | | |
| 225 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 267 | 2 | 14.3 | | | S | S | | | | | | | | | | |
| 222 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 241 | 2 | 14.3 | | | S | | S | | | | | | | | | |
| 229 | 1 | 7.1 | | | | | S | | | | | | | | | |
| 216 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 218 | 2 | 14.3 | S | | | | S | | | | | | | | | |
| 232 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 248 | 2 | 14.3 | S | S | | | | | | | | | | | | |
| 237 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 249 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 220 | 1 | 7.1 | | S | | | | | | | | | | | | |
| 213 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 257 | 2 | 14.3 | | S | S | | | | | | | | | | | |
| 203 | 2 | 14.3 | | S | | | | | S | | | | | | | |
| 231 | 1 | 7.1 | | | | | | | S | | | | | | | |
| 219 | 2 | 14.3 | | | | | | | S | S | | | | | | |
| 244 | 1 | 7.1 | | | | | | | | S | | | | | | |
| 227 | 2 | 14.3 | | S | | | | | | S | | | | | | |
| 224 | 3 | 21.4 | S | S | | | | | | S | | | | | | |
| 268 | 1 | 7.1 | | | | | | | | | S | | | | | |
| 235 | 2 | 14.3 | | | | | | S | | | S | | | | | |
| 204 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 207 | 3 | 21.4 | S | | S | | | | | | S | | | | | |
| 221 | 3 | 21.4 | S | | S | | | | S | | | | | | | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Missing Patterns (cases with missing values)

| Case | Variable Values | | | | | | | | |
|------|-----------------|-----|-----|-----|-----|-----|-----|------|-----|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
| 205 | 5.1 | 1.4 | . | 4.8 | 3.3 | 2.6 | 3.8 | 49.0 | 4.9 |
| 202 | . | .4 | . | 2.5 | 1.2 | 1.7 | 5.2 | 35.0 | 3.3 |
| 250 | . | 3.7 | . | 5.2 | 3.0 | 2.3 | 9.1 | 49.0 | 4.8 |
| 255 | . | 1.0 | . | 3.4 | 1.7 | 1.1 | 6.2 | 35.0 | 4.1 |
| 269 | . | 1.9 | . | 4.5 | 1.5 | 3.1 | 9.9 | 39.0 | 3.3 |
| 238 | . | 2.5 | 9.6 | 5.5 | 4.0 | 3.0 | 7.7 | 65.0 | 6.0 |
| 240 | . | 1.5 | 9.9 | 2.7 | 1.3 | 1.2 | 1.7 | 50.0 | 5.0 |
| 253 | . | 2.0 | 9.3 | 5.9 | 3.7 | 2.4 | 4.6 | 60.0 | 6.1 |
| 256 | . | 3.3 | 7.5 | 4.5 | 2.5 | 2.4 | 7.6 | 39.0 | 3.6 |
| 259 | . | 2.1 | 6.9 | 5.4 | 1.1 | 2.6 | 8.9 | 29.0 | 3.9 |
| 260 | . | 2.0 | 6.4 | 4.5 | 2.1 | 2.2 | 8.8 | 28.0 | 3.3 |
| 228 | . | 1.8 | 7.7 | . | 3.4 | 1.5 | 5.9 | 40.0 | 5.6 |
| 246 | 3.7 | 1.4 | 9.0 | . | 2.6 | 2.3 | 6.8 | 45.0 | 4.9 |
| 225 | 4.7 | 1.3 | . | . | 3.0 | 2.6 | 6.8 | 54.0 | 5.9 |
| 267 | 3.8 | .8 | . | . | 2.2 | 2.6 | 5.3 | 42.0 | 5.1 |
| 222 | 3.9 | 2.2 | . | 4.6 | . | 2.5 | 8.3 | 47.0 | 5.0 |
| 241 | 3.1 | 1.9 | . | 4.5 | . | 3.1 | 3.8 | 54.0 | 4.8 |
| 229 | 5.3 | 1.4 | 9.7 | 6.1 | . | 3.9 | 6.8 | 54.0 | 5.9 |
| 216 | . | 1.6 | 6.4 | 5.0 | . | 2.1 | 8.4 | 25.0 | 3.4 |
| 218 | . | 2.8 | 5.2 | 5.0 | . | 2.7 | 8.4 | 38.0 | 3.7 |
| 232 | . | . | 8.2 | 5.0 | 3.6 | 2.5 | 9.0 | 53.0 | 5.2 |
| 248 | . | . | 6.4 | 5.3 | 3.0 | 2.5 | 7.1 | 46.0 | 4.5 |
| 237 | 4.9 | . | 7.4 | 6.9 | 4.6 | 4.0 | 9.6 | 62.0 | 6.2 |
| 249 | 5.3 | . | 8.5 | 3.7 | 3.5 | 1.9 | 4.8 | 58.0 | 4.3 |
| 220 | 6.5 | . | 9.0 | 7.0 | 3.2 | 3.7 | 8.0 | 33.0 | 5.4 |
| 213 | 3.1 | . | . | 7.8 | 3.6 | 4.0 | 5.9 | 43.0 | 5.2 |
| 257 | 3.6 | . | . | 5.8 | 3.7 | 2.5 | 9.3 | 44.0 | 4.8 |
| 203 | 3.0 | . | 9.1 | 7.1 | 3.5 | 3.4 | . | 55.0 | 5.2 |
| 231 | 3.7 | .7 | 8.2 | 6.0 | 2.1 | 2.5 | . | 41.0 | 5.0 |
| 219 | 3.1 | 2.2 | 6.7 | 6.8 | 2.6 | 2.9 | . | . | 4.3 |
| 244 | 3.0 | 3.8 | 5.5 | 4.9 | 3.4 | 2.6 | 6.0 | . | 4.2 |
| 227 | 3.2 | . | 5.7 | 5.1 | 3.6 | 2.9 | 6.2 | . | 4.4 |
| 224 | . | . | 8.6 | 5.7 | 2.7 | 3.7 | 6.7 | . | 5.0 |
| 268 | 3.3 | 2.6 | 9.7 | 3.3 | 2.9 | 1.5 | 5.2 | 47.0 | . |
| 235 | 3.8 | .8 | 8.7 | 2.9 | 1.6 | . | 5.6 | 39.0 | . |
| 204 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 207 | . | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 221 | . | 1.6 | . | 4.8 | 2.0 | 2.8 | . | 32.0 | 4.3 |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

a. Cases are sorted on missing patterns, variables are not sorted.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Tabulated Patterns

| Number of Cases | Missing Patterns ^a | | | | | | | | | | | | | | Complete if ... | v1 ^c |
|-----------------|-------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----------------|-----------------|
| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 | | |
| 26 | | | | | | | | | | | | | | | 26 | 4.019 |
| 1 | | | X | | | | | | | | | | | | 27 | 5.100 |
| 4 | X | | X | | | | | | | | | | | | 37 | . |
| 6 | X | | | | | | | | | | | | | | 32 | . |
| 1 | X | | | X | | | | | | | | | | | 34 | . |
| 1 | | | | X | | | | | | | | | | | 27 | 3.700 |
| 2 | | | X | X | | | | | | | | | | | 30 | 4.250 |
| 2 | | | X | | X | | | | | | | | | | 30 | 3.500 |
| 1 | | | | | X | | | | | | | | | | 27 | 5.300 |
| 2 | X | | | | X | | | | | | | | | | 35 | . |
| 2 | X | X | | | | | | | | | | | | | 37 | . |
| 3 | | X | | | | | | | | | | | | | 29 | 5.567 |
| 2 | | X | X | | | | | | | | | | | | 32 | 3.350 |
| 1 | | X | | | | | X | | | | | | | | 31 | 3.000 |
| 1 | | | | | | | X | | | | | | | | 27 | 3.700 |
| 1 | | | | | | | X | X | | | | | | | 29 | 3.100 |
| 1 | | | | | | | | X | | | | | | | 27 | 3.000 |
| 1 | | X | | | | | | X | | | | | | | 31 | 3.200 |
| 1 | X | X | | | | | | X | | | | | | | 40 | . |
| 1 | | | | | | | | | X | | | | | | 27 | 3.300 |
| 1 | | | | | | X | | | X | | | | | | 28 | 3.800 |
| 2 | X | | X | | | | | | X | | | | | | 40 | . |
| 1 | X | | X | | | | X | | | | | | | | 39 | . |

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Tabulated Patterns

| | v ₂ ^c | v ₃ ^c | v ₄ ^c | v ₅ ^c | v ₆ ^c | v ₇ ^c | v ₈ ^c | v ₉ ^c |
|-----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Number of Cases | | | | | | | | |
| 26 | 1.950 | 8.354 | 5.269 | 2.981 | 2.600 | 6.754 | 48.308 | 4.896 |
| 1 | 1.400 | . | 4.800 | 3.300 | 2.600 | 3.800 | 49.000 | 4.900 |
| 4 | 1.750 | . | 3.900 | 1.850 | 2.050 | 7.600 | 39.500 | 3.875 |
| 6 | 2.233 | 8.267 | 4.750 | 2.450 | 2.300 | 6.550 | 45.167 | 4.650 |
| 1 | 1.800 | 7.700 | . | 3.400 | 1.500 | 5.900 | 40.000 | 5.600 |
| 1 | 1.400 | 9.000 | . | 2.600 | 2.300 | 6.800 | 45.000 | 4.900 |
| 2 | 1.050 | . | . | 2.600 | 2.600 | 6.050 | 48.000 | 5.500 |
| 2 | 2.050 | . | 4.550 | . | 2.800 | 6.050 | 50.500 | 4.900 |
| 1 | 1.400 | 9.700 | 6.100 | . | 3.900 | 6.800 | 54.000 | 5.900 |
| 2 | 2.200 | 5.800 | 5.000 | . | 2.400 | 8.400 | 31.500 | 3.550 |
| 2 | . | 7.300 | 5.150 | 3.300 | 2.500 | 8.050 | 49.500 | 4.850 |
| 3 | . | 8.300 | 5.867 | 3.767 | 3.200 | 7.467 | 51.000 | 5.300 |
| 2 | . | . | 6.800 | 3.650 | 3.250 | 7.600 | 43.500 | 5.000 |
| 1 | . | 9.100 | 7.100 | 3.500 | 3.400 | . | 55.000 | 5.200 |
| 1 | .700 | 8.200 | 6.000 | 2.100 | 2.500 | . | 41.000 | 5.000 |
| 1 | 2.200 | 6.700 | 6.800 | 2.600 | 2.900 | . | . | 4.300 |
| 1 | 3.800 | 5.500 | 4.900 | 3.400 | 2.600 | 6.000 | . | 4.200 |
| 1 | . | 5.700 | 5.100 | 3.600 | 2.900 | 6.200 | . | 4.400 |
| 1 | . | 8.600 | 5.700 | 2.700 | 3.700 | 6.700 | . | 5.000 |
| 1 | 2.600 | 9.700 | 3.300 | 2.900 | 1.500 | 5.200 | 47.000 | . |
| 1 | .800 | 8.700 | 2.900 | 1.600 | . | 5.600 | 39.000 | . |
| 2 | 1.500 | . | 4.800 | 1.900 | 2.500 | 7.200 | 36.000 | . |
| 1 | 1.600 | . | 4.800 | 2.000 | 2.800 | . | 32.000 | 4.300 |

- a. Variables are not sorted.
- b. Number of complete cases if variables missing in that pattern (marked with X) are not used.
- c. Means at each unique pattern

Listwise Statistics

Listwise Means

| Number of cases | v ₁ | v ₂ | v ₃ | v ₄ | v ₅ | v ₆ | v ₇ | v ₈ | v ₉ |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 26 | 4.019 | 1.950 | 8.354 | 5.269 | 2.981 | 2.600 | 6.754 | 48.308 | 4.896 |

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Listwise Covariances

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | .9184 | | | | | | | | |
| v2 | -.4266 | .7850 | | | | | | | |
| v3 | .4813 | -.3052 | 1.3682 | | | | | | |
| v4 | -.2594 | .3132 | -.0787 | 1.2166 | | | | | |
| v5 | .2644 | .1818 | .0895 | .0246 | .2376 | | | | |
| v6 | -.0668 | .2344 | -.0572 | .6596 | .0772 | .5536 | | | |
| v7 | -.5519 | .4344 | -.3730 | .5837 | -.1009 | .5452 | 1.9178 | | |
| v8 | 4.6218 | .3440 | 6.0988 | 1.6938 | 2.6782 | 1.8040 | -1.1012 | 64.7815 | |
| v9 | .4221 | -.1978 | .6802 | .1507 | .1187 | .0384 | -.4498 | 3.6572 | .6436 |

Listwise Correlations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|-------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.502 | 1 | | | | | | | |
| v3 | .429 | -.294 | 1 | | | | | | |
| v4 | -.245 | .320 | -.061 | 1 | | | | | |
| v5 | .566 | .421 | .157 | .046 | 1 | | | | |
| v6 | -.094 | .356 | -.066 | .804 | .213 | 1 | | | |
| v7 | -.416 | .354 | -.230 | .382 | -.150 | .529 | 1 | | |
| v8 | .599 | .048 | .648 | .191 | .683 | .301 | -.099 | 1 | |
| v9 | .549 | -.278 | .725 | .170 | .304 | .064 | -.405 | .566 | 1 |

Pairwise Statistics

Pairwise Frequencies

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
|-----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| v1 | 45 | | | | | | | | | | | | | |
| v2 | 38 | 54 | | | | | | | | | | | | |
| v3 | 38 | 42 | 50 | | | | | | | | | | | |
| v4 | 42 | 50 | 48 | 60 | | | | | | | | | | |
| v5 | 42 | 49 | 47 | 55 | 59 | | | | | | | | | |
| v6 | 44 | 53 | 49 | 59 | 58 | 63 | | | | | | | | |
| v7 | 42 | 51 | 47 | 56 | 55 | 59 | 60 | | | | | | | |
| v8 | 42 | 52 | 46 | 56 | 55 | 59 | 57 | 60 | | | | | | |
| v9 | 43 | 50 | 48 | 56 | 55 | 60 | 56 | 56 | 60 | | | | | |
| v10 | 45 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | | | | |
| v11 | 45 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | | | |
| v12 | 45 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | 64 | | |
| v13 | 45 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | 64 | 64 | |
| v14 | 45 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | 64 | 64 | 64 |

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Pairwise Means

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| v1 | 4.013 | 1.874 | 8.274 | 5.340 | 3.021 | 2.707 | 6.614 | 48.167 | 4.949 |
| v2 | 3.974 | 1.896 | 8.181 | 4.988 | 2.704 | 2.506 | 6.682 | 45.462 | 4.754 |
| v3 | 4.034 | 1.981 | 8.130 | 5.235 | 2.947 | 2.612 | 6.796 | 47.022 | 4.842 |
| v4 | 4.010 | 1.942 | 8.121 | 5.147 | 2.842 | 2.625 | 6.832 | 46.018 | 4.757 |
| v5 | 4.007 | 1.888 | 8.196 | 5.156 | 2.839 | 2.579 | 6.758 | 46.182 | 4.820 |
| v6 | 4.018 | 1.917 | 8.118 | 5.185 | 2.860 | 2.602 | 6.810 | 46.085 | 4.798 |
| v7 | 4.067 | 1.920 | 8.138 | 5.073 | 2.860 | 2.581 | 6.790 | 46.140 | 4.805 |
| v8 | 4.079 | 1.854 | 8.261 | 5.113 | 2.822 | 2.573 | 6.816 | 45.967 | 4.821 |
| v9 | 4.035 | 1.920 | 8.085 | 5.232 | 2.895 | 2.623 | 6.825 | 46.429 | 4.798 |
| v10 | 4.013 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v11 | 4.013 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v12 | 4.013 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v13 | 4.013 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v14 | 4.013 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |

Mean of quantitative variable when other variable is present.

Pairwise Standard Deviations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-----|--------|-------|--------|--------|-------|-------|--------|--------|-------|
| v1 | .9664 | .8840 | 1.2517 | 1.2380 | .5891 | .7321 | 1.5173 | 7.8365 | .7179 |
| v2 | .8961 | .8589 | 1.3408 | 1.1224 | .7283 | .6795 | 1.6686 | 9.4027 | .8591 |
| v3 | 1.0071 | .8583 | 1.3194 | 1.1643 | .6947 | .7412 | 1.6007 | 9.8036 | .8351 |
| v4 | .9936 | .8711 | 1.3397 | 1.1877 | .7719 | .7279 | 1.7186 | 9.6474 | .8264 |
| v5 | .9701 | .8880 | 1.2429 | 1.2289 | .7541 | .7235 | 1.6616 | 9.2298 | .8070 |
| v6 | .9770 | .8534 | 1.3305 | 1.1604 | .7424 | .7192 | 1.6821 | 9.4564 | .8194 |
| v7 | .9755 | .8656 | 1.3377 | 1.1719 | .7603 | .7343 | 1.6751 | 9.3855 | .8411 |
| v8 | .9677 | .8318 | 1.2421 | 1.2065 | .7697 | .7268 | 1.7141 | 9.4204 | .8396 |
| v9 | .9822 | .8697 | 1.3242 | 1.1609 | .7392 | .7226 | 1.7120 | 9.5114 | .8194 |
| v10 | .9664 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v11 | .9664 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v12 | .9664 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v13 | .9664 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v14 | .9664 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |

Standard deviation of quantitative variable when other variable is present.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Pairwise Covariances

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | .9339 | | | | | | | | |
| v2 | -.3791 | .7377 | | | | | | | |
| v3 | .5242 | -.4111 | 1.7409 | | | | | | |
| v4 | -.1219 | .2921 | -.1020 | 1.4107 | | | | | |
| v5 | .2091 | .2844 | .0409 | .4095 | .5686 | | | | |
| v6 | .0222 | .1509 | -.0346 | .6842 | .1848 | .5173 | | | |
| v7 | -.2044 | .5022 | -.7668 | .8012 | .0839 | .4964 | 2.8060 | | |
| v8 | 2.8500 | 1.1668 | 7.3231 | 2.5907 | 5.0552 | 1.8403 | -3.2469 | 88.7446 | |
| v9 | .3628 | -.1376 | .7764 | .3630 | .3179 | .1382 | -.3681 | 5.3434 | .6714 |

Pairwise Correlations

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.479 | 1 | | | | | | | |
| v3 | .416 | -.357 | 1 | | | | | | |
| v4 | -.099 | .299 | -.065 | 1 | | | | | |
| v5 | .366 | .440 | .047 | .432 | 1 | | | | |
| v6 | .031 | .260 | -.035 | .810 | .344 | 1 | | | |
| v7 | -.138 | .348 | -.358 | .398 | .066 | .402 | 1 | | |
| v8 | .376 | .149 | .601 | .223 | .712 | .268 | -.202 | 1 | |
| v9 | .514 | -.184 | .702 | .378 | .533 | .233 | -.256 | .669 | 1 |

EM Estimated Statistics

EM Means^a

| v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 3.711 | 2.034 | 8.110 | 5.149 | 2.823 | 2.602 | 6.844 | 45.848 | 4.767 |

a. Little's MCAR test: Chi-Square = 174.464, DF = 159, Sig. = .190

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

EM Covariances^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | 1.3141 | | | | | | | | |
| v2 | -.3774 | 1.0022 | | | | | | | |
| v3 | .5990 | -.4938 | 1.6189 | | | | | | |
| v4 | .1769 | .3760 | -.1574 | 1.3421 | | | | | |
| v5 | .5516 | .3674 | .0489 | .3606 | .5562 | | | | |
| v6 | .1254 | .2068 | -.0627 | .6365 | .1796 | .5109 | | | |
| v7 | -.4129 | .5630 | -.6680 | .7846 | .0856 | .4876 | 2.8238 | | |
| v8 | 5.9698 | 1.9970 | 6.3336 | 2.0967 | 4.6892 | 1.7108 | -2.9728 | 86.2970 | |
| v9 | .5954 | -.0386 | .6216 | .3461 | .3400 | .1289 | -.3239 | 5.0838 | .6653 |

a. Little's MCAR test: Chi-Square = 174.464, DF = 159, Sig. = .190

EM Correlations^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.329 | 1 | | | | | | | |
| v3 | .411 | -.388 | 1 | | | | | | |
| v4 | .133 | .324 | -.107 | 1 | | | | | |
| v5 | .645 | .492 | .052 | .417 | 1 | | | | |
| v6 | .153 | .289 | -.069 | .769 | .337 | 1 | | | |
| v7 | -.214 | .335 | -.312 | .403 | .068 | .406 | 1 | | |
| v8 | .561 | .215 | .536 | .195 | .677 | .258 | -.190 | 1 | |
| v9 | .637 | -.047 | .599 | .366 | .559 | .221 | -.236 | .671 | 1 |

a. Little's MCAR test: Chi-Square = 174.464, DF = 159, Sig. = .190

Regression Estimated Statistics

Regression Means^a

| v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 3.862 | 1.939 | 8.068 | 5.132 | 2.842 | 2.587 | 6.753 | 45.664 | 4.790 |

a. Random normal variate is added to each estimate.

MISSING DATA -- DELETE CASES WITH GT 50 PERCENT MISSING

Regression Covariances^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|--------|---------|---------|-------|
| v1 | .9604 | | | | | | | | |
| v2 | -.3845 | .7619 | | | | | | | |
| v3 | .4998 | -.2603 | 1.6015 | | | | | | |
| v4 | .0171 | .3668 | -.0526 | 1.3389 | | | | | |
| v5 | .3379 | .2496 | .0987 | .3518 | .5558 | | | | |
| v6 | .0518 | .2035 | -.0345 | .6796 | .2116 | .5221 | | | |
| v7 | -.3477 | .4776 | -.6183 | .6721 | .0396 | .4756 | 2.6823 | | |
| v8 | 4.2849 | .8618 | 6.9844 | 2.1274 | 4.7296 | 1.7182 | -2.4737 | 85.1669 | |
| v9 | .4336 | -.0599 | .6981 | .2958 | .3215 | .1192 | -.3446 | 5.0366 | .6509 |

a. Random normal variate is added to each estimate.

Regression Correlations^a

| | v1 | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|-------|------|------|------|-------|------|----|
| v1 | 1 | | | | | | | | |
| v2 | -.450 | 1 | | | | | | | |
| v3 | .403 | -.236 | 1 | | | | | | |
| v4 | .015 | .363 | -.036 | 1 | | | | | |
| v5 | .462 | .384 | .105 | .408 | 1 | | | | |
| v6 | .073 | .323 | -.038 | .813 | .393 | 1 | | | |
| v7 | -.217 | .334 | -.298 | .355 | .032 | .402 | 1 | | |
| v8 | .474 | .107 | .598 | .199 | .687 | .258 | -.164 | 1 | |
| v9 | .548 | -.085 | .684 | .317 | .535 | .205 | -.261 | .676 | 1 |

a. Random normal variate is added to each estimate.

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Frequencies

Statistics

NMISS

| | | |
|---|---------|----|
| N | Valid | 70 |
| | Missing | 0 |

NMISS

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | .00 | 32 | 45.7 | 45.7 | 45.7 |
| | 1.00 | 18 | 25.7 | 25.7 | 71.4 |
| | 2.00 | 14 | 20.0 | 20.0 | 91.4 |
| | 6.00 | 2 | 2.9 | 2.9 | 94.3 |
| | 7.00 | 4 | 5.7 | 5.7 | 100.0 |
| | Total | 70 | 100.0 | 100.0 | |

Frequencies

Statistics

NMISS

| | | |
|---|---------|----|
| N | Valid | 64 |
| | Missing | 0 |

NMISS

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | .00 | 32 | 50.0 | 50.0 | 50.0 |
| | 1.00 | 18 | 28.1 | 28.1 | 78.1 |
| | 2.00 | 14 | 21.9 | 21.9 | 100.0 |
| | Total | 64 | 100.0 | 100.0 | |

MVA

Warnings

Since more than half of the cases are missing, error terms are randomly from a Normal distribution instead of chosen randomly from the observed residuals of complete cases.

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Univariate Statistics

| | N | Mean | Std. Deviation | Missing | | No. of Extremes ^a | |
|-----|----|--------|----------------|---------|---------|------------------------------|------|
| | | | | Count | Percent | Low | High |
| v2 | 54 | 1.896 | .8589 | 10 | 15.6 | 0 | 0 |
| v3 | 50 | 8.130 | 1.3194 | 14 | 21.9 | 0 | 0 |
| v4 | 60 | 5.147 | 1.1877 | 4 | 6.3 | 0 | 0 |
| v5 | 59 | 2.839 | .7541 | 5 | 7.8 | 0 | 0 |
| v6 | 63 | 2.602 | .7192 | 1 | 1.6 | 0 | 0 |
| v7 | 60 | 6.790 | 1.6751 | 4 | 6.3 | 0 | 0 |
| v8 | 60 | 45.967 | 9.4204 | 4 | 6.3 | 0 | 0 |
| v9 | 60 | 4.798 | .8194 | 4 | 6.3 | 0 | 0 |
| v10 | 64 | | | 0 | .0 | | |
| v11 | 64 | | | 0 | .0 | | |
| v12 | 64 | | | 0 | .0 | | |
| v13 | 64 | | | 0 | .0 | | |
| v14 | 64 | | | 0 | .0 | | |

a. Number of cases outside the range (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Summary of Estimated Means

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|------------|-------|-------|-------|-------|-------|-------|--------|-------|
| Listwise | 2.003 | 8.337 | 5.172 | 2.881 | 2.544 | 6.716 | 47.719 | 4.850 |
| All Values | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| EM | 1.993 | 8.108 | 5.136 | 2.832 | 2.583 | 6.836 | 45.810 | 4.768 |
| Regression | 1.949 | 8.188 | 5.152 | 2.842 | 2.577 | 6.831 | 45.567 | 4.784 |

Summary of Estimated Standard Deviations

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|------------|-------|--------|--------|-------|-------|--------|--------|-------|
| Listwise | .8403 | 1.2141 | 1.1125 | .6851 | .7206 | 1.6895 | 9.6695 | .8784 |
| All Values | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| EM | .8733 | 1.2604 | 1.1620 | .7487 | .7302 | 1.6730 | 9.2838 | .8145 |
| Regression | .8381 | 1.2353 | 1.1507 | .7466 | .7404 | 1.7203 | 9.3089 | .8053 |

Separate Variance t Tests^a

| | | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|---------------|-------|-------|-------|-------|-------|-------|--------|-------|
| v2 | t | . | .7 | -2.2 | -4.2 | -2.4 | -1.2 | -1.1 | -1.2 |
| | df | . | 10.3 | 12.1 | 17.8 | 12.0 | 11.0 | 9.3 | 18.6 |
| | P(2-tail) | . | .528 | .044 | .001 | .034 | .260 | .318 | .233 |
| | # Present | 54 | 42 | 50 | 49 | 53 | 51 | 52 | 50 |
| | # Missing | 0 | 8 | 10 | 10 | 10 | 9 | 8 | 10 |
| | Mean(Present) | 1.896 | 8.181 | 4.988 | 2.704 | 2.506 | 6.682 | 45.462 | 4.754 |
| | Mean(Missing) | . | 7.863 | 5.940 | 3.500 | 3.110 | 7.400 | 49.250 | 5.020 |

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Separate Variance t Tests^a

| | | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|---------------|-------|-------|-------|-------|-------|-------|--------|-------|
| v3 | t | 1.4 | . | 1.1 | 2.0 | .2 | .0 | 1.9 | .9 |
| | df | 18.3 | . | 16.0 | 14.9 | 23.2 | 16.5 | 28.7 | 18.2 |
| | P(2-tail) | .180 | . | .286 | .066 | .818 | .965 | .073 | .399 |
| | # Present | 42 | 50 | 48 | 47 | 49 | 47 | 46 | 48 |
| | # Missing | 12 | 0 | 12 | 12 | 14 | 13 | 14 | 12 |
| | Mean(Present) | 1.981 | 8.130 | 5.235 | 2.947 | 2.612 | 6.796 | 47.022 | 4.842 |
| | Mean(Missing) | 1.600 | . | 4.792 | 2.417 | 2.564 | 6.769 | 42.500 | 4.625 |
| v4 | t | 2.6 | -.3 | . | .2 | 1.4 | 1.5 | .2 | -2.4 |
| | df | 5.5 | 1.2 | . | 4.0 | 3.8 | 5.8 | 4.1 | 4.5 |
| | P(2-tail) | .046 | .785 | . | .888 | .249 | .197 | .830 | .064 |
| | # Present | 50 | 48 | 60 | 55 | 59 | 56 | 56 | 56 |
| | # Missing | 4 | 2 | 0 | 4 | 4 | 4 | 4 | 4 |
| | Mean(Present) | 1.942 | 8.121 | 5.147 | 2.842 | 2.625 | 6.832 | 46.018 | 4.757 |
| | Mean(Missing) | 1.325 | 8.350 | . | 2.800 | 2.250 | 6.200 | 45.250 | 5.375 |
| v5 | t | -.3 | .8 | .4 | . | -.9 | -.4 | .5 | .6 |
| | df | 6.4 | 2.1 | 7.1 | . | 4.8 | 4.5 | 4.4 | 4.5 |
| | P(2-tail) | .749 | .502 | .734 | . | .423 | .696 | .669 | .605 |
| | # Present | 49 | 47 | 55 | 59 | 58 | 55 | 55 | 55 |
| | # Missing | 5 | 3 | 5 | 0 | 5 | 5 | 5 | 5 |
| | Mean(Present) | 1.888 | 8.196 | 5.156 | 2.839 | 2.579 | 6.758 | 46.182 | 4.820 |
| | Mean(Missing) | 1.980 | 7.100 | 5.040 | . | 2.860 | 7.140 | 43.600 | 4.560 |
| v7 | t | .9 | .2 | -2.1 | .9 | -1.5 | . | .5 | .4 |
| | df | 2.3 | 2.3 | 3.6 | 3.6 | 4.8 | . | 2.1 | 4.5 |
| | P(2-tail) | .440 | .864 | .118 | .441 | .193 | . | .658 | .704 |
| | # Present | 51 | 47 | 56 | 55 | 59 | 60 | 57 | 56 |
| | # Missing | 3 | 3 | 4 | 4 | 4 | 0 | 3 | 4 |
| | Mean(Present) | 1.920 | 8.138 | 5.073 | 2.860 | 2.581 | 6.790 | 46.140 | 4.805 |
| | Mean(Missing) | 1.500 | 8.000 | 6.175 | 2.550 | 2.900 | . | 42.667 | 4.700 |
| v8 | t | -1.4 | 2.2 | -1.1 | -.9 | -1.8 | 1.7 | . | 1.6 |
| | df | 1.0 | 3.4 | 3.9 | 4.1 | 4.0 | 9.1 | . | 5.7 |
| | P(2-tail) | .384 | .101 | .326 | .401 | .149 | .128 | . | .155 |
| | # Present | 52 | 46 | 56 | 55 | 59 | 57 | 60 | 56 |
| | # Missing | 2 | 4 | 4 | 4 | 4 | 3 | 0 | 4 |
| | Mean(Present) | 1.854 | 8.261 | 5.113 | 2.822 | 2.573 | 6.816 | 45.967 | 4.821 |
| | Mean(Missing) | 3.000 | 6.625 | 5.625 | 3.075 | 3.025 | 6.300 | . | 4.475 |
| v9 | t | .8 | -2.1 | 2.5 | 2.7 | 1.3 | .9 | 2.4 | . |
| | df | 3.7 | 1.3 | 3.6 | 3.8 | 2.3 | 4.2 | 4.6 | . |
| | P(2-tail) | .463 | .235 | .076 | .056 | .302 | .409 | .066 | . |
| | # Present | 50 | 48 | 56 | 55 | 60 | 56 | 56 | 60 |
| | # Missing | 4 | 2 | 4 | 4 | 3 | 4 | 4 | 0 |
| | Mean(Present) | 1.920 | 8.085 | 5.232 | 2.895 | 2.623 | 6.825 | 46.429 | 4.798 |
| | Mean(Missing) | 1.600 | 9.200 | 3.950 | 2.075 | 2.167 | 6.300 | 39.500 | . |

For each quantitative variable, pairs of groups are formed by indicator variables (present, missing).

a. Indicator variables with less than 5% missing are not displayed.

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Percent Mismatch of Indicator Variables.^a

| | v2 | v3 | v4 | v5 | v7 | v8 | v9 |
|----|-------|-------|-------|-------|-------|-------|------|
| v2 | 15.63 | | | | | | |
| v3 | 31.25 | 21.88 | | | | | |
| v4 | 21.88 | 21.88 | 6.25 | | | | |
| v5 | 23.44 | 23.44 | 14.06 | 7.81 | | | |
| v7 | 18.75 | 25.00 | 12.50 | 14.06 | 6.25 | | |
| v8 | 15.63 | 28.13 | 12.50 | 14.06 | 9.38 | 6.25 | |
| v9 | 21.88 | 21.88 | 12.50 | 14.06 | 12.50 | 12.50 | 6.25 |

The diagonal elements are the percentages missing, and the off-diagonal elements are the mismatch percentages of indicator variables.

a. Indicator variables with less than 5% missing values are not displayed.

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Missing Patterns (cases with missing values)

| Case | # Missing | % Missing | Missing and Extreme Value Patterns ^a | | | | | | | | | | | | |
|------|-----------|-----------|---|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
| 202 | 1 | 7.7 | | S | | | | | | | | | | | |
| 205 | 1 | 7.7 | | S | | | | | | | | | | | |
| 250 | 1 | 7.7 | | S | | | | | | | | | | | |
| 255 | 1 | 7.7 | | S | | | | | | | | | | | |
| 269 | 1 | 7.7 | | S | | | | | | | | | | | |
| 213 | 2 | 15.4 | S | S | | | | | | | | | | | |
| 257 | 2 | 15.4 | S | S | | | | | | | | | | | |
| 220 | 1 | 7.7 | S | | | | | | | | | | | | |
| 232 | 1 | 7.7 | S | | | | | | | | | | | | |
| 237 | 1 | 7.7 | S | | | | | | | | | | | | |
| 248 | 1 | 7.7 | S | | | | | | | | | | | | |
| 249 | 1 | 7.7 | S | | | | | | | | | | | | |
| 224 | 2 | 15.4 | S | | | | | | S | | | | | | |
| 227 | 2 | 15.4 | S | | | | | | S | | | | | | |
| 244 | 1 | 7.7 | | | | | | | S | | | | | | |
| 219 | 2 | 15.4 | | | | | | S | S | | | | | | |
| 231 | 1 | 7.7 | | | | | | S | | | | | | | |
| 221 | 2 | 15.4 | | S | | | | S | | | | | | | |
| 241 | 2 | 15.4 | | S | | S | | | | | | | | | |
| 222 | 2 | 15.4 | | S | | S | | | | | | | | | |
| 218 | 1 | 7.7 | | | | S | | | | | | | | | |
| 229 | 1 | 7.7 | | | | S | | | | | | | | | |
| 216 | 1 | 7.7 | | | | S | | | | | | | | | |
| 246 | 1 | 7.7 | | | S | | | | | | | | | | |
| 228 | 1 | 7.7 | | | S | | | | | | | | | | |
| 225 | 2 | 15.4 | | S | S | | | | | | | | | | |
| 267 | 2 | 15.4 | | S | S | | | | | | | | | | |
| 204 | 2 | 15.4 | | S | | | | | | S | | | | | |
| 207 | 2 | 15.4 | | S | | | | | | S | | | | | |
| 268 | 1 | 7.7 | | | | | | | | S | | | | | |
| 235 | 2 | 15.4 | | | | | S | | | S | | | | | |
| 203 | 2 | 15.4 | S | | | | | S | | | | | | | |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Missing Patterns (cases with missing values)

| Case | Variable Values | | | | | | | |
|------|-----------------|-----|-----|-----|-----|-----|------|-----|
| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
| 202 | .4 | . | 2.5 | 1.2 | 1.7 | 5.2 | 35.0 | 3.3 |
| 205 | 1.4 | . | 4.8 | 3.3 | 2.6 | 3.8 | 49.0 | 4.9 |
| 250 | 3.7 | . | 5.2 | 3.0 | 2.3 | 9.1 | 49.0 | 4.8 |
| 255 | 1.0 | . | 3.4 | 1.7 | 1.1 | 6.2 | 35.0 | 4.1 |
| 269 | 1.9 | . | 4.5 | 1.5 | 3.1 | 9.9 | 39.0 | 3.3 |
| 213 | . | . | 7.8 | 3.6 | 4.0 | 5.9 | 43.0 | 5.2 |
| 257 | . | . | 5.8 | 3.7 | 2.5 | 9.3 | 44.0 | 4.8 |
| 220 | . | 9.0 | 7.0 | 3.2 | 3.7 | 8.0 | 33.0 | 5.4 |
| 232 | . | 8.2 | 5.0 | 3.6 | 2.5 | 9.0 | 53.0 | 5.2 |
| 237 | . | 7.4 | 6.9 | 4.6 | 4.0 | 9.6 | 62.0 | 6.2 |
| 248 | . | 6.4 | 5.3 | 3.0 | 2.5 | 7.1 | 46.0 | 4.5 |
| 249 | . | 8.5 | 3.7 | 3.5 | 1.9 | 4.8 | 58.0 | 4.3 |
| 224 | . | 8.6 | 5.7 | 2.7 | 3.7 | 6.7 | . | 5.0 |
| 227 | . | 5.7 | 5.1 | 3.6 | 2.9 | 6.2 | . | 4.4 |
| 244 | 3.8 | 5.5 | 4.9 | 3.4 | 2.6 | 6.0 | . | 4.2 |
| 219 | 2.2 | 6.7 | 6.8 | 2.6 | 2.9 | . | . | 4.3 |
| 231 | .7 | 8.2 | 6.0 | 2.1 | 2.5 | . | 41.0 | 5.0 |
| 221 | 1.6 | . | 4.8 | 2.0 | 2.8 | . | 32.0 | 4.3 |
| 241 | 1.9 | . | 4.5 | . | 3.1 | 3.8 | 54.0 | 4.8 |
| 222 | 2.2 | . | 4.6 | . | 2.5 | 8.3 | 47.0 | 5.0 |
| 218 | 2.8 | 5.2 | 5.0 | . | 2.7 | 8.4 | 38.0 | 3.7 |
| 229 | 1.4 | 9.7 | 6.1 | . | 3.9 | 6.8 | 54.0 | 5.9 |
| 216 | 1.6 | 6.4 | 5.0 | . | 2.1 | 8.4 | 25.0 | 3.4 |
| 246 | 1.4 | 9.0 | . | 2.6 | 2.3 | 6.8 | 45.0 | 4.9 |
| 228 | 1.8 | 7.7 | . | 3.4 | 1.5 | 5.9 | 40.0 | 5.6 |
| 225 | 1.3 | . | . | 3.0 | 2.6 | 6.8 | 54.0 | 5.9 |
| 267 | .8 | . | . | 2.2 | 2.6 | 5.3 | 42.0 | 5.1 |
| 204 | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 207 | 1.5 | . | 4.8 | 1.9 | 2.5 | 7.2 | 36.0 | . |
| 268 | 2.6 | 9.7 | 3.3 | 2.9 | 1.5 | 5.2 | 47.0 | . |
| 235 | .8 | 8.7 | 2.9 | 1.6 | . | 5.6 | 39.0 | . |
| 203 | . | 9.1 | 7.1 | 3.5 | 3.4 | . | 55.0 | 5.2 |

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

a. Cases are sorted on missing patterns, variables are not sorted.

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Tabulated Patterns

| Number of Cases | Missing Patterns ^a | | | | | | | | | | | | | Complete if ... | v ^c ₂ |
|-----------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------------|
| | v ₂ | v ₃ | v ₄ | v ₅ | v ₆ | v ₇ | v ₈ | v ₉ | v ₁₀ | v ₁₁ | v ₁₂ | v ₁₃ | v ₁₄ | | |
| 32 | | | | | | | | | | | | | | 32 | 2.003 |
| 5 | | X | | | | | | | | | | | | 37 | 1.680 |
| 2 | X | X | | | | | | | | | | | | 44 | . |
| 5 | X | | | | | | | | | | | | | 37 | . |
| 2 | X | | | | | | X | | | | | | | 40 | . |
| 1 | | | | | | | X | | | | | | | 33 | 3.800 |
| 1 | | | | | | X | X | | | | | | | 35 | 2.200 |
| 1 | | | | | | X | | | | | | | | 33 | .700 |
| 1 | | X | | | | X | | | | | | | | 39 | 1.600 |
| 2 | | X | | X | | | | | | | | | | 42 | 2.050 |
| 3 | | | | X | | | | | | | | | | 35 | 1.933 |
| 2 | | | X | | | | | | | | | | | 34 | 1.600 |
| 2 | | X | X | | | | | | | | | | | 41 | 1.050 |
| 2 | | X | | | | | | X | | | | | | 40 | 1.500 |
| 1 | | | | | | | | X | | | | | | 33 | 2.600 |
| 1 | | | | | X | | | X | | | | | | 34 | .800 |
| 1 | X | | | | | X | | | | | | | | 39 | . |

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Tabulated Patterns

| | v3 ^c | v4 ^c | v5 ^c | v6 ^c | v7 ^c | v8 ^c | v9 ^c |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Number of Cases | | | | | | | |
| 32 | 8.337 | 5.172 | 2.881 | 2.544 | 6.716 | 47.719 | 4.850 |
| 5 | . | 4.080 | 2.140 | 2.160 | 6.840 | 41.400 | 4.080 |
| 2 | . | 6.800 | 3.650 | 3.250 | 7.600 | 43.500 | 5.000 |
| 5 | 7.900 | 5.580 | 3.580 | 2.920 | 7.700 | 50.400 | 5.120 |
| 2 | 7.150 | 5.400 | 3.150 | 3.300 | 6.450 | . | 4.700 |
| 1 | 5.500 | 4.900 | 3.400 | 2.600 | 6.000 | . | 4.200 |
| 1 | 6.700 | 6.800 | 2.600 | 2.900 | . | . | 4.300 |
| 1 | 8.200 | 6.000 | 2.100 | 2.500 | . | 41.000 | 5.000 |
| 1 | . | 4.800 | 2.000 | 2.800 | . | 32.000 | 4.300 |
| 2 | . | 4.550 | . | 2.800 | 6.050 | 50.500 | 4.900 |
| 3 | 7.100 | 5.367 | . | 2.900 | 7.867 | 39.000 | 4.333 |
| 2 | 8.350 | . | 3.000 | 1.900 | 6.350 | 42.500 | 5.250 |
| 2 | . | . | 2.600 | 2.600 | 6.050 | 48.000 | 5.500 |
| 2 | . | 4.800 | 1.900 | 2.500 | 7.200 | 36.000 | . |
| 1 | 9.700 | 3.300 | 2.900 | 1.500 | 5.200 | 47.000 | . |
| 1 | 8.700 | 2.900 | 1.600 | . | 5.600 | 39.000 | . |
| 1 | 9.100 | 7.100 | 3.500 | 3.400 | . | 55.000 | 5.200 |

- a. Variables are not sorted.
- b. Number of complete cases if variables missing in that pattern (marked with X) are not used.
- c. Means at each unique pattern

Listwise Statistics

Listwise Means

| Number of cases | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-----------------|-------|-------|-------|-------|-------|-------|--------|-------|
| 32 | 2.003 | 8.337 | 5.172 | 2.881 | 2.544 | 6.716 | 47.719 | 4.850 |

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Listwise Covariances

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|---------|---------|-------|
| v2 | .7061 | | | | | | | |
| v3 | -.2914 | 1.4740 | | | | | | |
| v4 | .2662 | -.1012 | 1.2376 | | | | | |
| v5 | .1643 | .2065 | .1972 | .4693 | | | | |
| v6 | .2099 | -.0762 | .6561 | .1554 | .5193 | | | |
| v7 | .4896 | -.8342 | .7863 | -.0316 | .6599 | 2.8543 | | |
| v8 | .0686 | 8.4625 | 2.1822 | 4.7204 | 1.8062 | -4.4213 | 93.4990 | |
| v9 | -.2008 | .8171 | .2085 | .2755 | .0590 | -.6411 | 6.0306 | .7716 |

Listwise Correlations

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|------|-------|------|-------|------|----|
| v2 | 1 | | | | | | | |
| v3 | -.286 | 1 | | | | | | |
| v4 | .285 | -.075 | 1 | | | | | |
| v5 | .285 | .248 | .259 | 1 | | | | |
| v6 | .347 | -.087 | .818 | .315 | 1 | | | |
| v7 | .345 | -.407 | .418 | -.027 | .542 | 1 | | |
| v8 | .008 | .721 | .203 | .713 | .259 | -.271 | 1 | |
| v9 | -.272 | .766 | .213 | .458 | .093 | -.432 | .710 | 1 |

Pairwise Statistics

Pairwise Frequencies

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 | v10 | v11 | v12 | v13 | v14 |
|-----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| v2 | 54 | | | | | | | | | | | | |
| v3 | 42 | 50 | | | | | | | | | | | |
| v4 | 50 | 48 | 60 | | | | | | | | | | |
| v5 | 49 | 47 | 55 | 59 | | | | | | | | | |
| v6 | 53 | 49 | 59 | 58 | 63 | | | | | | | | |
| v7 | 51 | 47 | 56 | 55 | 59 | 60 | | | | | | | |
| v8 | 52 | 46 | 56 | 55 | 59 | 57 | 60 | | | | | | |
| v9 | 50 | 48 | 56 | 55 | 60 | 56 | 56 | 60 | | | | | |
| v10 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | | | | |
| v11 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | | | |
| v12 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | 64 | | |
| v13 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | 64 | 64 | |
| v14 | 54 | 50 | 60 | 59 | 63 | 60 | 60 | 60 | 64 | 64 | 64 | 64 | 64 |

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Pairwise Means

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-----|-------|-------|-------|-------|-------|-------|--------|-------|
| v2 | 1.896 | 8.181 | 4.988 | 2.704 | 2.506 | 6.682 | 45.462 | 4.754 |
| v3 | 1.981 | 8.130 | 5.235 | 2.947 | 2.612 | 6.796 | 47.022 | 4.842 |
| v4 | 1.942 | 8.121 | 5.147 | 2.842 | 2.625 | 6.832 | 46.018 | 4.757 |
| v5 | 1.888 | 8.196 | 5.156 | 2.839 | 2.579 | 6.758 | 46.182 | 4.820 |
| v6 | 1.917 | 8.118 | 5.185 | 2.860 | 2.602 | 6.810 | 46.085 | 4.798 |
| v7 | 1.920 | 8.138 | 5.073 | 2.860 | 2.581 | 6.790 | 46.140 | 4.805 |
| v8 | 1.854 | 8.261 | 5.113 | 2.822 | 2.573 | 6.816 | 45.967 | 4.821 |
| v9 | 1.920 | 8.085 | 5.232 | 2.895 | 2.623 | 6.825 | 46.429 | 4.798 |
| v10 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v11 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v12 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v13 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |
| v14 | 1.896 | 8.130 | 5.147 | 2.839 | 2.602 | 6.790 | 45.967 | 4.798 |

Mean of quantitative variable when other variable is present.

Pairwise Standard Deviations

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-----|-------|--------|--------|-------|-------|--------|--------|-------|
| v2 | .8589 | 1.3408 | 1.1224 | .7283 | .6795 | 1.6686 | 9.4027 | .8591 |
| v3 | .8583 | 1.3194 | 1.1643 | .6947 | .7412 | 1.6007 | 9.8036 | .8351 |
| v4 | .8711 | 1.3397 | 1.1877 | .7719 | .7279 | 1.7186 | 9.6474 | .8264 |
| v5 | .8880 | 1.2429 | 1.2289 | .7541 | .7235 | 1.6616 | 9.2298 | .8070 |
| v6 | .8534 | 1.3305 | 1.1604 | .7424 | .7192 | 1.6821 | 9.4564 | .8194 |
| v7 | .8656 | 1.3377 | 1.1719 | .7603 | .7343 | 1.6751 | 9.3855 | .8411 |
| v8 | .8318 | 1.2421 | 1.2065 | .7697 | .7268 | 1.7141 | 9.4204 | .8396 |
| v9 | .8697 | 1.3242 | 1.1609 | .7392 | .7226 | 1.7120 | 9.5114 | .8194 |
| v10 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v11 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v12 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v13 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |
| v14 | .8589 | 1.3194 | 1.1877 | .7541 | .7192 | 1.6751 | 9.4204 | .8194 |

Standard deviation of quantitative variable when other variable is present.

Pairwise Covariances

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|---------|---------|-------|
| v2 | .7377 | | | | | | | |
| v3 | -.4111 | 1.7409 | | | | | | |
| v4 | .2921 | -.1020 | 1.4107 | | | | | |
| v5 | .2844 | .0409 | .4095 | .5686 | | | | |
| v6 | .1509 | -.0346 | .6842 | .1848 | .5173 | | | |
| v7 | .5022 | -.7668 | .8012 | .0839 | .4964 | 2.8060 | | |
| v8 | 1.1668 | 7.3231 | 2.5907 | 5.0552 | 1.8403 | -3.2469 | 88.7446 | |
| v9 | -.1376 | .7764 | .3630 | .3179 | .1382 | -.3681 | 5.3434 | .6714 |

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Pairwise Correlations

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|------|------|------|-------|------|----|
| v2 | 1 | | | | | | | |
| v3 | -.357 | 1 | | | | | | |
| v4 | .299 | -.065 | 1 | | | | | |
| v5 | .440 | .047 | .432 | 1 | | | | |
| v6 | .260 | -.035 | .810 | .344 | 1 | | | |
| v7 | .348 | -.358 | .398 | .066 | .402 | 1 | | |
| v8 | .149 | .601 | .223 | .712 | .268 | -.202 | 1 | |
| v9 | -.184 | .702 | .378 | .533 | .233 | -.256 | .669 | 1 |

EM Estimated Statistics

EM Means^a

| v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-------|-------|-------|-------|-------|-------|--------|-------|
| 1.993 | 8.108 | 5.136 | 2.832 | 2.583 | 6.836 | 45.810 | 4.768 |

a. Little's MCAR test: Chi-Square = 99.367, DF = 103, Sig. = .583

EM Covariances^a

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|---------|---------|-------|
| v2 | .7626 | | | | | | | |
| v3 | -.3468 | 1.5887 | | | | | | |
| v4 | .3049 | -.1301 | 1.3504 | | | | | |
| v5 | .3156 | .0640 | .3526 | .5605 | | | | |
| v6 | .1884 | -.0655 | .6829 | .2066 | .5332 | | | |
| v7 | .5115 | -.6294 | .7739 | .0403 | .5039 | 2.7989 | | |
| v8 | 1.3501 | 6.3727 | 2.1476 | 4.7539 | 1.8283 | -2.9874 | 86.1895 | |
| v9 | -.0535 | .6300 | .3396 | .3368 | .1414 | -.3275 | 5.0875 | .6634 |

a. Little's MCAR test: Chi-Square = 99.367, DF = 103, Sig. = .583

EM Correlations^a

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|------|------|------|-------|------|----|
| v2 | 1 | | | | | | | |
| v3 | -.315 | 1 | | | | | | |
| v4 | .300 | -.089 | 1 | | | | | |
| v5 | .483 | .068 | .405 | 1 | | | | |
| v6 | .295 | -.071 | .805 | .378 | 1 | | | |
| v7 | .350 | -.298 | .398 | .032 | .412 | 1 | | |
| v8 | .167 | .545 | .199 | .684 | .270 | -.192 | 1 | |
| v9 | -.075 | .614 | .359 | .552 | .238 | -.240 | .673 | 1 |

a. Little's MCAR test: Chi-Square = 99.367, DF = 103, Sig. = .583

DELETE CASES GT 50 PERCENT MISSING AND DELETE V1

Regression Estimated Statistics

Regression Means^a

| v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|-------|-------|-------|-------|-------|-------|--------|-------|
| 1.949 | 8.188 | 5.152 | 2.842 | 2.577 | 6.831 | 45.567 | 4.784 |

a. Random normal variate is added to each estimate.

Regression Covariances^a

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|--------|--------|--------|--------|--------|---------|---------|-------|
| v2 | .7024 | | | | | | | |
| v3 | -.3072 | 1.5260 | | | | | | |
| v4 | .3207 | -.1303 | 1.3242 | | | | | |
| v5 | .2951 | -.0028 | .3612 | .5575 | | | | |
| v6 | .1944 | -.0296 | .6796 | .2170 | .5482 | | | |
| v7 | .4699 | -.7515 | .7845 | .0174 | .4770 | 2.9593 | | |
| v8 | .9165 | 6.6215 | 1.9909 | 4.4849 | 1.7827 | -2.9789 | 86.6555 | |
| v9 | -.0420 | .6234 | .3382 | .3075 | .1427 | -.3167 | 5.0638 | .6485 |

a. Random normal variate is added to each estimate.

Regression Correlations^a

| | v2 | v3 | v4 | v5 | v6 | v7 | v8 | v9 |
|----|-------|-------|------|------|------|-------|------|----|
| v2 | 1 | | | | | | | |
| v3 | -.297 | 1 | | | | | | |
| v4 | .333 | -.092 | 1 | | | | | |
| v5 | .472 | -.003 | .420 | 1 | | | | |
| v6 | .313 | -.032 | .798 | .393 | 1 | | | |
| v7 | .326 | -.354 | .396 | .014 | .375 | 1 | | |
| v8 | .117 | .576 | .186 | .645 | .259 | -.186 | 1 | |
| v9 | -.062 | .627 | .365 | .511 | .239 | -.229 | .675 | 1 |

a. Random normal variate is added to each estimate.