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| PROC CANCORR with WEIGHT |

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|  | **Canonical Correlation** | **Approx. Std Error** | **Test of H0: The canonical correlations in the current row and all that follow are zero** | | | | |
|  | **Likelihood Ratio** | **Approximate F Value** | **Num DF** | **Den DF** | **Pr > F** |
| **1** | 0.193869 | 0.028392 | 0.88276087 | 1.58 | 90 | 6355.7 | 0.0004 |
| **2** | 0.174117 | 0.028607 | 0.91723535 | 1.41 | 70 | 5384 | 0.0145 |
| **3** | 0.148720 | 0.028849 | 0.94591248 | 1.22 | 52 | 4382.5 | 0.1359 |
| **4** | 0.118602 | 0.029086 | 0.96730717 | 1.05 | 36 | 3345.3 | 0.3859 |
| **5** | 0.106305 | 0.029168 | 0.98110790 | 0.99 | 22 | 2266 | 0.4776 |
| **6** | 0.087625 | 0.029275 | 0.99232191 | 0.88 | 10 | 1134 | 0.5539 |

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| **Multivariate Statistics and F Approximations** | | | | | |
| **S=6 M=4 N=563.5** | | | | | |
| **Statistic** | **Value** | **F Value** | **Num DF** | **Den DF** | **Pr > F** |
| **Wilks' Lambda** | 0.88276087 | 1.58 | 90 | 6355.7 | 0.0004 |
| **Pillai's Trace** | 0.12306523 | 1.58 | 90 | 6804 | 0.0004 |
| **Hotelling-Lawley Trace** | 0.12637042 | 1.58 | 90 | 4695.3 | 0.0004 |
| **Roy's Greatest Root** | 0.03905303 | 2.95 | 15 | 1134 | 0.0001 |
| **NOTE: F Statistic for Roy's Greatest Root is an upper bound.** | | | | | |

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| PROC CANCORR with FREQ |

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|  | **Canonical Correlation** | **Approximate Standard Error** | **Test of H0: The canonical correlations in the current row and all that follow are zero** | | | | |
|  | **Likelihood Ratio** | **Approximate F Value** | **Num DF** | **Den DF** | **Pr > F** |
| **1** | 0.193916 | 0.000713 | 0.88273337 | 2553.41 | 90 | 1.02E7 | <.0001 |
| **2** | 0.174122 | 0.000718 | 0.91722396 | 2269.55 | 70 | 8.67E6 | <.0001 |
| **3** | 0.148724 | 0.000724 | 0.94590222 | 1962.81 | 52 | 7.06E6 | <.0001 |
| **4** | 0.118603 | 0.000730 | 0.96729776 | 1692.31 | 36 | 5.38E6 | <.0001 |
| **5** | 0.106294 | 0.000732 | 0.98109844 | 1587.98 | 22 | 3.64E6 | <.0001 |
| **6** | 0.087693 | 0.000735 | 0.99230991 | 1412.03 | 10 | 1.82E6 | <.0001 |

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| **Multivariate Statistics and F Approximations** | | | | | |
| **S=6 M=4 N=911021.5** | | | | | |
| **Statistic** | **Value** | **F Value** | **Num DF** | **Den DF** | **Pr > F** |
| **Wilks' Lambda** | 0.88273337 | 2553.41 | 90 | 1.02E7 | <.0001 |
| **Pillai's Trace** | 0.12309554 | 2544.27 | 90 | 1.09E7 | <.0001 |
| **Hotelling-Lawley Trace** | 0.12640245 | 2559.01 | 90 | 7.62E6 | <.0001 |
| **Roy's Greatest Root** | 0.03907249 | 4746.14 | 15 | 1.82E6 | <.0001 |
| **NOTE: F Statistic for Roy's Greatest Root is an upper bound.** | | | | | |