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| ***Table 2.1 Summary of PROC CORR Options*** | |
| Option | Description |
| Data Sets | |
| [DATA=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.dataopt) | Specifies the input data set |
| [OUTH=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.outhopt) | Specifies the output data set with Hoeffding’s http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/images/procstat_corr0001.png statistics |
| [OUTK=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.outkopt) | Specifies the output data set with Kendall correlation statistics |
| [OUTP=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.outpopt) | Specifies the output data set with Pearson correlation statistics |
| [OUTS=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.outsopt) | Specifies the output data set with Spearman correlation statistics |
| Statistical Analysis | |
| [EXCLNPWGT](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.exclnpwgtopt) | Excludes observations with nonpositive weight values from the analysis |
| [FISHER](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.fisheropt) | Requests correlation statistics using Fisher’s http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/images/procstat_corr0002.png transformation |
| [HOEFFDING](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.hoeffdingopt) | Requests Hoeffding’s measure of dependence, http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/images/procstat_corr0001.png |
| [KENDALL](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.kendallopt) | Requests Kendall’s tau-b |
| [NOMISS](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.nomissopt) | Excludes observations with missing analysis values from the analysis |
| [PEARSON](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.pearsonopt) | Requests Pearson product-moment correlation |
| [POLYSERIAL](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.polyserialopt) | Requests polyserial correlation |
| [SPEARMAN](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.spearmanopt) | Requests Spearman rank-order correlation |
| Pearson Correlation Statistics | |
| [ALPHA](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.alphaopt) | Computes Cronbach’s coefficient alpha |
| [COV](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.covopt) | Computes covariances |
| [CSSCP](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.csscpopt) | Computes corrected sums of squares and crossproducts |
| [FISHER](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.fisheropt) | Computes correlation statistics based on Fisher’s http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/images/procstat_corr0002.png transformation |
| [SINGULAR=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.singularopt) | Specifies the singularity criterion |
| [SSCP](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.sscpopt) | Computes sums of squares and crossproducts |
| [VARDEF=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.vardefopt) | Specifies the divisor for variance calculations |
| ODS Output Graphics | |
| [PLOTS=MATRIX](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.plotsopt) | Displays the scatter plot matrix |
| [PLOTS=SCATTER](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.plotsopt) | Displays scatter plots for pairs of variables |
| Printed Output | |
| [BEST=](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.bestopt) | Displays the specified number of ordered correlation coefficients |
| [NOCORR](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.nocorropt) | Suppresses Pearson correlations |
| [NOPRINT](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.noprintopt) | Suppresses all printed output |
| [NOPROB](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.noprobopt) | Suppresses http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/images/procstat_corr0003.png-values |
| [NOSIMPLE](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.nosimpleopt) | Suppresses descriptive statistics |
| [RANK](http://support.sas.com/documentation/cdl/en/procstat/63963/HTML/default/procstat_corr_sect004.htm#procstat.corr.rankopt) | Displays ordered correlation coefficients |

**Table 85.1: PROC REG Statement Options**

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| Option | Description |
| Data Set Options | |
| [DATA=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procdata) | Names a data set to use for the regression |
| [OUTEST=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procoutest) | Outputs a data set that contains parameter estimates and other  model fit summary statistics |
| [OUTSSCP=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procoutsscp) | Outputs a data set that contains sums of squares and crossproducts |
| [COVOUT](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.proccovout) | Outputs the covariance matrix for parameter estimates to the  OUTEST= data set |
| [EDF](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procedf) | Outputs the number of regressors, the error degrees of freedom,  and the model R square to the OUTEST= data set |
| [OUTSEB](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procoutseb) | Outputs standard errors of the parameter estimates to the  OUTEST= data set |
| [OUTSTB](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procoutstb) | Outputs standardized parameter estimates to the OUTEST= data  set. Use only with the RIDGE= or PCOMIT= option. |
| [OUTVIF](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procoutvif) | Outputs the variance inflation factors to the OUTEST= data set. Use only with the RIDGE= or PCOMIT= option. |
| [PCOMIT=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procpcomit) | Performs incomplete principal component analysis and outputs  estimates to the OUTEST= data set |
| [PRESS](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procpress) | Outputs the PRESS statistic to the OUTEST= data set |
| [RIDGE=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm" \l "statug.reg.procridge) | Performs ridge regression analysis and outputs estimates to the  OUTEST= data set |
| [RSQUARE](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procrsquare) | Same effect as the EDF option |
| [TABLEOUT](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.proctableout) | Outputs standard errors, confidence limits, and associated test  statistics of the parameter estimates to the OUTEST= data set |
| ODS Graphics Options | |
| [PLOTS=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procplots) | Produces ODS graphical displays |
| Display Options | |
| [CORR](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.proccorr) | Displays correlation matrix for variables listed in [MODEL](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax08.htm) and  [VAR](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax21.htm) statements |
| [SIMPLE](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procsimple) | Displays simple statistics for each variable listed in [MODEL](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax08.htm) and  [VAR](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax21.htm) statements |
| [USSCP](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procusscp) | Displays uncorrected sums of squares and crossproducts matrix |
| [ALL](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procall) | Displays all statistics (CORR, SIMPLE, and USSCP) |
| [NOPRINT](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procnoprint) | Suppresses output |
| Other Options | |
| [ALPHA=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procalpha) | Sets significance value for confidence and prediction intervals and tests |
| [SINGULAR=](http://support.sas.com/documentation/cdl/en/statug/67523/HTML/default/statug_reg_syntax01.htm#statug.reg.procsingular) | Sets criterion for checking for singularity |