This is an example

Author Name[1], Author Name[2], Author Name[1]
First Author Affiliation[1]
Second Author Affiliation[2]

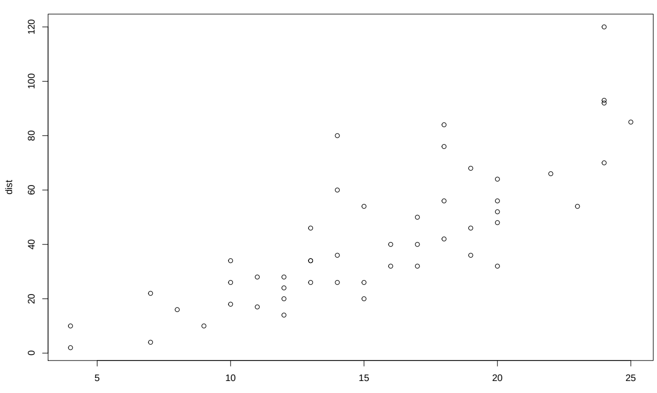
Abstract

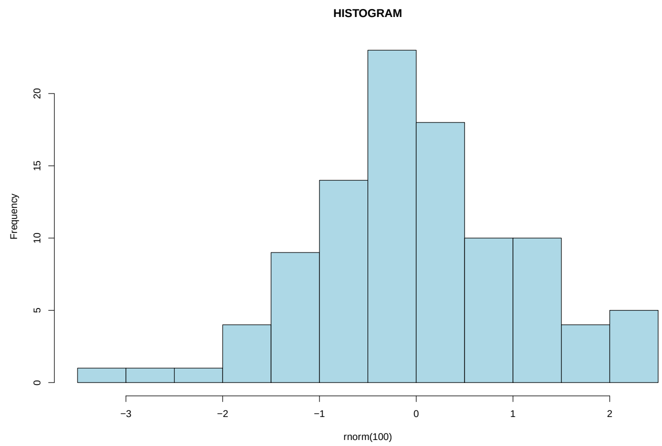
This is sample text in 10-point Times New Roman type and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

KEY WORDS: Please place 3–5 key words here.

1. Primary Subhead Centered, Title Case in 10-Point Bold

```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```





This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text in 10-point Times New Roman type and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

1.1 Secondary Head

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text in 10-point Times New Roman type and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text in 10-point Times New Roman type and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

1.1.1 This is a tertiary head

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text in 10-point Times New Roman type and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

1.2 Another Primary Subhead

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text in 10-point Times New Roman type and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

$$\begin{aligned}\hat{\rho} &\equiv \sum_{j=1}^{J}\sum_{i=1}^{n}(x_{ij}-\bar{x}_{\cdot\cdot})(y_{ij}-\bar{y}_{\cdot j}) \\ &\div \sqrt{\sum_{j=1}^{J}\sum_{i=1}^{n}(x_{ij}-\bar{x}_{\cdot\cdot})^2\sum_{j=1}^{J}\sum_{i=1}^{n}(y_{ij}-\bar{y}_{\cdot j})^2}.\end{aligned}$$

Version 2 uses the maximum likelihood estimate of ρ.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely re-

Table 1: Possible Rankings of A, B, and C and Corresponding Posterior Probabilities. Because of rounding, not all columns sum to one.

	Errors	*Posterior probability*	*Posterior probability for specified* β			
(R_A, R_B, R_C)	$g(\mathbf{R})$	*as a function of* β	$\beta = .5$	$\beta = .3$	$\beta = .1$	$\beta = .01$
(1, 2, 3)	0	$1/(1+2\beta+2\beta^2+\beta^3)$	.381	.553	.819	.980
(1, 3, 2)	1	$\beta/(1+2\beta+2\beta^2+\beta^3)$	.190	.166	.082	.010
(2, 1, 3)	1	$\beta/(1+2\beta+2\beta^2+\beta^3)$	.190	.166	.082	.010
(2, 3, 1)	2	$\beta^2/(1+2\beta+2\beta^2+\beta^3)$	.095	.050	.008	.000
(3, 1, 2)	2	$\beta^2/(1+2\beta+2\beta^2+\beta^3)$	.095	.050	.008	.000
(3, 2, 1)	3	$\beta^3/(1+2\beta+2\beta^2+\beta^3)$	.048	.015	.001	.000

placed before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper. This is sample text in 10-point Times New Roman type and needs to be completely replaced before submitting your paper. This is sample text and needs to be completely replaced before submitting your paper.

However, for large J and small n, the version 1 approach does not perform as well.

REFERENCES

Annual Book of ASTM Standards, Volume 4.10, Committee D-7, American Society for Testing and Materials, West Conshohocken, Pennsylvania.

Cochran, W.G. (1957), "Analysis of Covariance: Its Nature and Uses," *Biometrics*, **13**, 261-281.

Cox, D.R. (1957), "The Use of a Concomitant Variable in Selecting an Experimental Design," *Biometrika*, **44**, 150-158.

David, H.A. and Gunnik, J.L. (1997), "The Paired t Test Under Artificial Pairing," *The American Statistician*, **51**, 9–12.

Gibbons, R.D. (1994), *Statistical Methods for Groundwater Monitoring*, John Wiley and Sons, New York.

Guttman, I. (1970), *Statistical Tolerance Regions: Classical and Bayesian*, Hafner Publishing Company, Darien, Connecticut.

Michigan DEQ (1994), *Guidance Document, Verification of Soil Remediation*, Hazardous Waste Program Section, Waste Management Division, Michigan Department of Environmental Quality, Lansing, Michigan.

Owen, D.B. (1963), *Factors for one-sided tolerance limits and for variable sampling plans*, Sandia Corporation Monograph No. SCR-607 (19th edn).

MIL-HDBK-17-1, Composite Materials Handbook, Volume 1, Guidelines for Characterization of Structural Materials, Department of Defense Single Stock Point, Philadelphia, Pennsylvania (http://www.dodssp.daps.mil).

Verrill, S.P. (1993), "Predictor Sort Sampling, Tight T's, and the Analysis of Covariance," *Journal of the American Statistical Association*, **88**, 119–124.

Verrill, S.P. (1999), "When Good Confidence Intervals Go Bad: Predictor Sort Experiments and ANOVA," *The American Statistician*, **53**, 38–42.

Verrill, S.P., Herian, V.L., and Green, D.W. (2002a), "Predictor Sort Sampling and Confidence Bounds on Quantiles I: Asymptotic Theory," under review.

Verrill, S.P., Herian, V.L., and Green, D.W. (2002b), "Predictor Sort Sampling and Confidence Bounds on Quantiles II: k's for Small Samples," in preparation.

Warren, W.G., and Madsen, B. (1977), "Computer-Assisted Experimental Design in Forest Products Research: A Case Study Based on Testing the Duration-of-Load Effect," *Forest Products Journal*, **27**, 45-50.

Table 2: Possible Rankings of A, B, and C and Corresponding Posterior Probabilities. Because of rounding, not all columns sum to one.

$\beta = .5$	$\beta = .3$	$\beta = .1$	$\beta = .01$
.381	.553	.819	.980
.190	.166	.082	.010
.190	.166	.082	.010
.095	.050	.008	.000
.095	.050	.008	.000
.048	.015	.001	.000