

**TITLE OF YOUR ARTICLE IN UPPER CASE LETTERS. YOU
JUST TYPE THE TITLE IN FULL. NO NEED TO BREAK
EACH LINE.**

SUMMARY

Place your Abstract here. Place your Abstract here.

Keywords and phrases: Place keywords here

AMS Classification: Place Classification here. Leave as is, if there is no classification

1 Introduction

Introduction goes here. In this section, I will describe how to typeset equations and how to label them so that you can refer them later in the discussion.

1.1 Citation

To cite a paper, use `\cite{}`. For example, Tibshirani (1996) proposed the LASSO. To cite as inline reference, use `\citep{}`. For example. We found the LASSO (Tibshirani, 1996) to be a useful technique in our context.

1.2 Typesetting Equations

Here is an example of how to type equations and label it. In this equation, I have labeled the equation as `eq:eq1`. Note that, it will not appear in your final output. When you will refer this equation later, use `\label{eq:eq1}`.

$$\hat{\mu}_j = \frac{1}{n_j} \sum_{i=1}^{n_j} Y_{ji}, \quad \hat{\sigma}_j^2 = \frac{1}{n_j} \sum_{i=1}^{n_j} (Y_{ji} - \hat{\mu}_j)^2. \quad (1.1)$$

1.3 How to Refer to an Equation

See how I am referring the above equation in the following: In Equation 1.1, we have estimated μ_j . Please note that, I have put the full stop just inside the end \$ sign, NOT outside the \$ sign. This is IMPORTANT. Why? It will prevent you from an unexpected line-break just before the full stop. If it happens, the full stop will not be with the μ_j .

1.4 Example of an Example

Here I will show how to typeset an example.

Example 1.1. Here goes your example. Just typeset your example within the `\begin{example}` and `\end{example}` command. It will then be automatically numbered.

1.5 Writing Theorems: An Example

Theorem 1 (Optional name of the theorem). *Let $X_j \sim \Lambda(\theta, \tau_j^2)$, $j = 1, \dots, m$, and suppose that observations from a sample of size n_j are available for each population. Then a combined sample estimate of θ which has minimum variance among the class of the unbiased estimators of θ which are linear functions of $\hat{\theta}_1, \dots, \hat{\theta}_m$ is given by*

$$\tilde{\theta} = \frac{\sum_{j=1}^m \frac{n_j}{\hat{\nu}_j} \hat{\theta}_j}{\sum_{j=1}^m \frac{n_j}{\hat{\nu}_j}},$$

where

$$\hat{\nu}_j = \hat{\sigma}_j^2(1 + \hat{\sigma}_j^2/2) \exp\{2\hat{\mu}_j + \hat{\sigma}_j^2\}.$$

Theorem 2 (Yet another example). *Let $n \rightarrow \infty$ and also n_j/n approaches to a constant for any $j = 1, \dots, m$. Then under the null hypothesis in (2.1), the test statistic T_1 follows a chi-square distribution with m degrees of freedom.*

Proof. You may use `\proof` command to start the Proof of your Theorem, Lemma etc.

1.6 Writing Lemma: An Example

Lemma 1.1 (Ahmed and Tomkins, 1995). *Just write your lemma within the `\begin{lemma}` and `\end{lemma}` command and they will be automatically numbers. Its that easy!*

Table 1: Caption of your Table

	H F		G F	
Statistics	F	Log-F	F	Log-F
Mean	1275	7.003	1275	6.99
St. Deviation	730.3	0.5574	728	0.591
Coeff. Variation	0.573	0.0796	0.571	0.0845
Coeff.Skewness	1.5	-0.0787	1.52	-0.0618
Serial Corr.	0.06	-0.0114	0.065	0.068

1.7 Adding a Table

Please use the following style to add a table in your document. Thanks!

1.8 How about Wide Table?

Here is an example of table in landscape mode. Please see Table 2.

Table 2: MLE (New): MSE and Bias of $\hat{\lambda}$ and $\hat{\sigma}$ for fixed $\lambda = 0$ and $\sigma = 1$ based on 1,000 Monte Carlo runs.

Parameters		MSE($\hat{\lambda}$)				MSE($\hat{\sigma}$)			
δ	τ	$n = 25$	$n = 50$	$n=100$	$n=200$	$n=25$	$n=50$	$n=100$	$n=200$
0	0.25	0.11107	0.05621	0.02779	0.01382	0.02271	0.01116	0.00553	0.00272
	0.50	0.11268	0.05546	0.02769	0.01385	0.02294	0.01078	0.00538	0.00271
	1.00	0.11157	0.05568	0.02778	0.01362	0.02232	0.01109	0.02841	0.00271
1	0.25	0.11089	0.05590	0.02776	0.01398	0.02280	0.01110	0.00543	0.00275
	0.50	0.11090	0.05495	0.02765	0.01388	0.02241	0.01089	0.00541	0.00272
	1.00	0.11304	0.05535	0.02750	0.01360	0.02350	0.01106	0.00552	0.00277

1.9 Adding Figures to your Document

Here is an example of adding figures to your document.

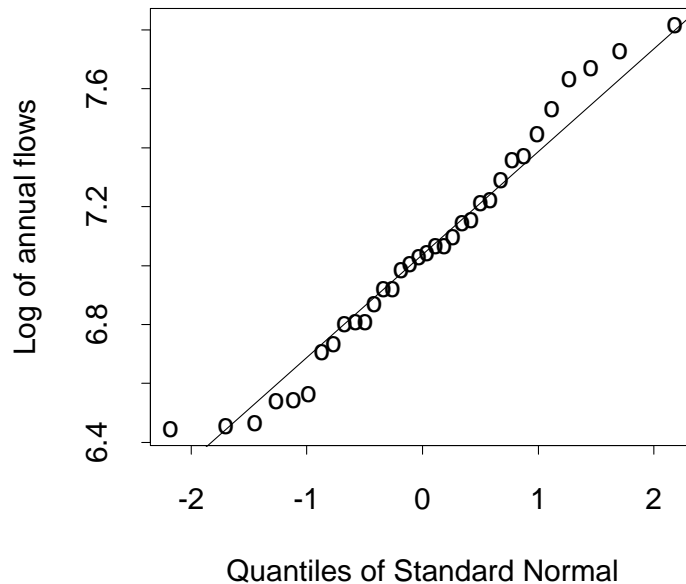


Figure 1: Caption of your Figure

1.10 Last but not the Least

Please do not use any `\vspace` command to make paragraphs. use `\paragraph` or `\para` commands instead. Should you need to use commands to make space, use the `\smallskip` or `\bigskip` command. However, we encourage you NOT to use any of these commands if it is not absolutely necessary.

1.11 Acknowledgements, if Any

References

Tibshirani, R. (1996), “Regression shrinkage and selection via the lasso,” *Journal of the Royal Statistical Society. Series B (Methodological)*, 267–288.

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