A boring (academic) title or a clever title?
A secondary title

YOUR NAME HERE   *Washington State University*

In this article we compare the *empirical characteristic function* (Tukey 1977; Becker et al. 1988) to a *moment-generating-functional form* to compute the proportion of hypotheses m that are rejected under the null hypothesis.

Here is a second paragraph of the abstract (if necessary), and with the pipe notation it doesn't break. Notice it still needs to be indented.

Generally, we write this abstract last. Often it is called the executive summary. It should succinctly summarize the entire document. You can include references such as this one to the Appendices section **??** if necessary.

Keywords: multiple comparisons to control; multivariate chi-square distribution; nonlinear growth curves; Richard's curve; simulated critical points

November 08, 2020

```r
library(devtools);        # required for source_url


## Warning: package 'devtools' was built under R version 4.0.3


path.humanVerseWSU = "https://raw.githubusercontent.com/MonteShaffer/humanVerseWSU/"
source_url( paste0(path.humanVerseWSU,"master/misc/functions-project-measure.R") );


## Warning: package 'survival' was built under R version 4.0.3

## Warning: package 'Formula' was built under R version 4.0.3


path.github = "https://raw.githubusercontent.com/njtrout/WSU_STATS419_FALL2020/"
source_url( paste0(path.github,"master/functions/functions-project-measure.R") )

#change to github path
path.project = "C:/Users/Nic Trout/Documents/C/WSU_STATS419_FALL2020/project-measure_nic/";
path.tables = paste0(path.project,"tables/");
  createDirRecursive(path.tables);
```

```r
library(measurements)
nbadata = read.csv("C:/Users/Nic Trout/Documents/C/WSU_STATS419_FALL2020/project-measure_nic/nbadata.txt
```

```r
nba.df = prepareDataNBA(nbadata)
```

```
## Warning in prepareDataNBA(nbadata): NAs introduced by coercion
```

```
## Warning in prepareDataNBA(nbadata): NAs introduced by coercion
```

```r
myData = as.matrix(nba.df[,c(1,2,3,4,5)]);
file.correlation = paste0(path.tables,"nba-correlation-table.tex");

buildLatexCorrelationTable(myData,
  rotateTable = FALSE,
  width.table = .90,
  myFile = file.correlation,
  myNames = c("height", "wingspan", "standing.reach", "hand.length", "hand.width"),
  myCaption = "Descriptive Statistics and Correlation Analysis (NBA)",
  myLabel= "table:correlation-nba");
```

```r
Sys.sleep(2);
```

Table 1: Descriptive Statistics and Correlation Analysis

	M	SD	1	2
1 Diameter (in)	13.2	3.14	1	
2 Height (ft)	76.0	6.37	.52**	1
3 Volume (ft^3)	30.2	16.44	.97***	.60***

Notes: Pearson pairwise correlations are reported;
a two-side test was performed to report correlation significance.

$^\dagger p < .10$ $^* p < .05$ $^{**} p < .01$ $^{***} p < .001$

Table 2: Descriptive Statistics and Correlation Analysis (NBA)

		M	SD	1	2	3	4
1	height	79.2	3.78	1			
2	wingspan	82.6	4.49	.90***	1		
3	standing.reach	103.7	5.59	.96***	.95***	1	
4	hand.length	8.8	.60	.75***	.88***	.84***	1
5	hand.width	9.5	.71	.47***	.52***	.51***	.65***

Notes: Pearson pairwise correlations are reported;
a two-side test was performed to report correlation significance.

$^{\dagger}p < .10$ $^{*}p < .05$ $^{**}p < .01$ $^{***}p < .001$

```r
library(measurements)

#measure = utils::read.csv( paste0(path.to.secret, "measure-students.txt"), header=TRUE, quote="", sep=

path.project = "C:/Users/Nic Trout/Documents/C/WSU_STATS419_FALL2020/project-measure_nic/";

path.to.secret = "C:/Users/Nic Trout/Desktop/";

measure = readRDS(paste0(path.to.secret, "final.measure.rds"))

measure.df = prepareMeasureData(measure);

myData = as.matrix(measure.df[,c(1,2,3,4,5)]);
file.correlation = paste0(path.tables,"measure-students-correlation-table.tex");

buildLatexCorrelationTable(myData,
  rotateTable = FALSE,
  width.table = .90,
  myFile = file.correlation,
  myNames = c("height", "wingspan", "standing.reach", "hand.length", "hand.width"),
  myCaption = "Descriptive Statistics and Correlation Analysis (MEASURE)",
  myLabel= "table:correlation-student-measure");


Sys.sleep(2);
```

Table 3: Descriptive Statistics and Correlation Analysis (MEASURE)

		M	SD	1	2	3	4
1	height	69.4	3.72	1			
2	wingspan	69.8	4.09	.79***	1		
3	standing.reach	86.7	5.32	.88***	.83***	1	
4	hand.length	7.6	.43	.55***	.45**	$.31^{\dagger}$	1
5	hand.width	8.4	.67	.53***	.57***	.48**	.56***

Notes: Pearson pairwise correlations are reported; a two-side test was performed to report correlation significance.

$^{\dagger}p < .10$ $^{*}p < .05$ $^{**}p < .01$ $^{***}p < .001$

ENDNOTES

REFERENCES

Becker, Richard A, John M Chambers, Allan R Wilks. 1988. *The New S Language*. Wadsworth & Brooks.

Tukey, John W. 1977. *Exploratory data analysis*. 1st ed. Reading, MA.

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