Statistical analysis of behavioral data

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RMarkdown+Latex

This is simple an R Markdown document to show MPIThemes features. use # sign to define chapter. For definition sub chapter add ## to first line and add name of sub chapter.

Code Embedding

speed		dist	
Min.	: 4.0	Min. : :	2.00
1st Qu.	:12.0	1st Qu.: 20	6.00
Median	:15.0	Median: 3	6.00
Mean	:15.4	Mean : 4	2.98
3rd Qu.	:19.0	3rd Qu.: 50	6.00
Max.	:25.0	Max. :120	0.00

We can run inline R code 2^10= 1024

Markdown

In RMarkdown we can use markdown syntax, such as unordered list items

- · item
- · item
 - more item

Or use block quotes are written after >, e.g.,

To be, or not to be, that is the question!

Latex

We can easily write math expressions by latex syntax. Inline LateX equations can be written in a pair of dollar signs

$$f\left(k\right) = \binom{n}{k} p^k \left(1 - p\right)^{n - k}$$

plot

By using ggplot package, we can

Bubble chart

Iris Data: Sepal Length vs Petal Length

