Lady Tasting Tea

Muriel Bristol | April 1888

Cause we're living boba life

Hey

- Knit this Rmd file to see if you can make a html or pdf. If you couldn't, just use RStudio Cloud or the Binder RStudio in the lab note homepage. Po loves RStudio. Everything you need is on the Cloud.
- Edit, add, delete the codes as you need. Delete and insert words/writings as you need.

Codes in `LabAssignment5.Rmd`

Part I

```
#### Part I
counts <- matrix(c(8,87,3,23),2,2)
rownames(counts) <- c("Asthma","No asthma")
colnames(counts) <- c("Resolved","Persistent")
pVal <- fisher.test(counts)$p.val
knitr::kable(counts)
```

	Resolved	Persistent
Asthma	8	3
No asthma	87	23

Based on the data, the p-value of Fisher's exact test is 0.7009.

Part II

```
### Part II
SeroprevalenceTable <- matrix(c(369,2,3280,50),2,2)
rownames(SeroprevalenceTable) <- c("Negative","Positive")
colnames(SeroprevalenceTable) <- c("Manufacturer", "Stanford")
knitr::kable(SeroprevalenceTable)
```

	Manufacturer	Stanford
Negative	369	3280
Positive	2	50

Appendix: R Script

```
#### Part I
counts <- matrix(c(8,87,3,23),2,2)
rownames(counts) <- c("Asthma","No asthma")
colnames(counts) <- c("Resolved","Persistent")
pVal <- fisher.test(counts)$p.val
knitr::kable(counts)
### Part II
SeroprevalenceTable <- matrix(c(369,2,3280,50),2,2)
rownames(SeroprevalenceTable) <- c("Negative","Positive")
colnames(SeroprevalenceTable) <- c("Manufacturer", "Stanford")
knitr::kable(SeroprevalenceTable)
```