

Applied_Bayes_modelsPDF

```
suppressPackageStartupMessages(library(knitr))
suppressPackageStartupMessages(library(broom))
suppressPackageStartupMessages(library(kableExtra))
```

```
## Warning: package 'kableExtra' was built under R version 3.5.2
```

```
suppressPackageStartupMessages(library(xtable))
```

```
options(knitr.table.format = 'markdown')
dcc = read.csv("/Users/jamescutler/Desktop/Bayesian/dcc.csv")
```

```
mod1 = aov(fc_kid ~ factor(region), data = dcc)
mod1.table = xtable(mod1)
kable(mod1.table, caption = "ANOVA table of the 4 regions")
```

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
factor(region)	3	0.2904576	0.0968192	1.323982	0.2709175
Residuals	99	7.2396024	0.0731273	NA	NA

```
tuk1 = TukeyHSD(mod1, conf.level = .95)
tuk1df = tidy(tuk1)
tuk1.table = xtable(tuk1df)
kable(tuk1.table, caption = "Tukey comparisons of the 4 regions")
```

term	comparison	estimate	conf.low	conf.high	adj.p.value
factor(region)	2-1	0.0709604	-0.1238073	0.2657281	0.7767622
factor(region)	3-1	0.1898036	-0.0735550	0.4531623	0.2418210
factor(region)	4-1	0.0320614	-0.1882802	0.2524030	0.9811785
factor(region)	3-2	0.1188433	-0.1087661	0.3464526	0.5245337
factor(region)	4-2	-0.0388990	-0.2149634	0.1371655	0.9386495
factor(region)	4-3	-0.1577422	-0.4075861	0.0921017	0.3558044

This is all.