# R Notebook

Add a new chunk by clicking the *Insert Chunk* button on the toolbar or by pressing *Ctrl+Alt+I*.

When you save the notebook, an HTML file containing the code and output will be saved alongside it (click the *Preview* button or press *Ctrl+Shift+K* to preview the HTML file).

The preview shows you a rendered HTML copy of the contents of the editor. Consequently, unlike *Knit*, *Preview* does not run any R code chunks. Instead, the output of the chunk when it was last run in the editor is displayed.

This is a playground to test out the r dataframe from nested json

```r
json = '{"category1": {"town1": 8,"town2": 2},"category2": {"town1": 4,"town2": 3}}'

library(jsonlite)
lst = fromJSON(json)
a = transform(stack(lst), towns=c(sapply(lst, names)))

library(plyr)
b = ldply(fromJSON(json), stack)
```

and another demo code

```r
json <- fromJSON('{"category1": {"town1": 8,"town2": 2},"category2":{"town1": 4,"town2": 3}}')

json <- data.frame(number = unlist(json))

json$rownames <- rownames(json)

rownames(json) <- NULL

json$categories <- lapply(strsplit(as.character(json$rownames), "\\."), "[", 1)

json$town <- lapply(strsplit(as.character(json$rownames), "\\."), "[",2)

json$rownames <- NULL
```

This is where I load the results code from the pethospital. The participant of interest is number 120

```r
require(jsonlite)
EventsFileName = "../../dbEvents.json"
l <- readLines(EventsFileName, -1L)
```

```
## Warning in readLines(EventsFileName, -1L): incomplete final line found on
## '../../dbEvents.json'
```

```r
documentEvents = fromJSON(EventsFileName)
```