RMD Template

Foo Bar[*]

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check out markdown syntax

1 Intro: What to do and Why

Computations done in R (R Core Team year) .

Following methods of `[@ref2_temp]` .

- blah
  - blah blah

1.1 Manual Pandoc Tables

See the table 1

Table 1: Foo Caption

	One	Two
row 1	`f(...)`	$f(.)$
row 2	code	latex

1.2 knitr table to structure easier

See the table **??**

1.3 Alignment in equation blocks

results in formula (1) below

$$\begin{aligned} Y &\sim MVN(\theta X, \epsilon I) \\ \theta_p &\sim N(\mu_p, 1) \forall p \in 1, \ldots, P \\ \epsilon &\sim Normal(0, \sigma) \\ \sigma &\sim t(3, 0, 10) \end{aligned} \tag{1}$$

```
seed_pick = 123

dat_real = iris

dat_temp = dat_real %>%
  distinct(.,Species,.keep_all = TRUE)
```

[*]baz, affiliation

```
formula_spec = Sepal.Length ~ -1 + Sepal.Width + Petal.Length + Petal.Width + Species
```

2 Section 2

2.1 Reference Knitr Tables

As desired, the second row of Table **??** shows that blah blah blah. In the next section, we will see bloop bloop bloop.

2.2 Reference Figures

Comparing table **??** with table **??** we see that blah blah blah. The bloop bloop bloop.

```
out_2 = rbind(t(head(iris)),
              t(head(iris))
              )

row.names(out_2) = letters[1:(nrow(out))]

knitr::kable(out,
booktabs = TRUE,
caption = 'A Table of Bloop Bloop')
```

To reference tables in the appendix, see appendix table **??**

Making reference to Figure **??** maps to the chunk name

```
hist(iris$Sepal.Length)
```

3 Discussion: We did this and showed that, maybe try out

We did this and showed that.

4 Appendix

4.1 A

We purposely compare two fake datasets here in the appendix.

```
y_fake_1 = rnorm(-100,n=nrow(dat_temp))
dat_fake_1 = cbind(Sepal.Length=y_fake_1,dat_temp[,-1])

y_fake_2 = rnorm(100,n=nrow(dat_temp))
dat_fake_2 = cbind(Sepal.Length=y_fake_2,dat_temp[,-1])
```

```
out_temp = rbind(head(dat_fake1,
                      head(dat_fake2)
                      )
```

```
                  )
knitr::kable(out_temp)
```

```
place bibliography.bib file in same directory, leave # References section blank
```

References

R Core Team. year. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. https://www.R-project.org.