

## To Do

lots of advice to follow here

<https://holtzy.github.io/Pimp-my-rmd/>

[https://cran.r-project.org/web/packages/kableExtra/vignettes/awesome\\_table\\_in\\_html.html](https://cran.r-project.org/web/packages/kableExtra/vignettes/awesome_table_in_html.html)

## Data

## Write up

Im not too happy with the layout structure and flow. compare with professional technical report in the industry.

## Tables, Plot, Figs, Formulas

### Plot

move plot (unmodelled psd) out of “sampling” section; should be in results. this same plot can be plot next to the OS and US streams. Then do the same for the modelled streams.

### Formulas

Modelformulas section does render to PDF. error with inline R code. + double check RR Latex formula in (d/l?)

```
#\begin{equation}
```

$$F(d) = \exp \left[ -\left(\frac{d}{l}\right)^m \right]$$

```
# \label{eq : RR}
#\end{equation}
```

- add regression formulas that include the coefficients
- result, discussion section?

### Tables

- wrap text in col names of R2 tables <https://community.rstudio.com/t/wrap-column-name-in-pdf-table-from-knitr-kable/3278/4> +also add latex formulas
- repair layout of model coef tables in "Results and Discussion sectio:
- fix rounding
- fix layout

The RR transformation is achieved by taking the natural log twice and simplified as: #

$$\ln \{ -\ln [1 - F(d)] \} = m \times \ln d - m \times \ln \bar{d}$$