**1. Introduction and Motivation**

* **Why forcats?**  
  forcats is a package within the tidyverse that simplifies the handling of factors in R. Factoring to handling categorical data, improving its functions impacts many users working with statistical models and data wrangling.
* **Why focus on fct\_cross()?**  
  The fct\_cross() function allows users to create new factors by combining two or more factors to create a new factors.

**2. Current Issue with fct\_cross()**

* **fct\_cross() orders levels by second factor before the first factor**
  + <https://github.com/tidyverse/forcats/issues/360>**7.**

**Conclusion**

* This project will try and resolve this small issue.

If this proposal doesn’t work. I’d also still look into forcats. This time an issue with fct\_reorder2 drops values when it shouldn’t. This issue is fine.

<https://github.com/tidyverse/forcats/issues/348>

This is also a funny issue. Literally added an extra s and Hadley loved this as a great first issue. Could I do this ahahahaha.

<https://github.com/tidyverse/forcats/issues/366>

Additionally in case forcats doesn’t work, I want to look at ggplot2.