Comparing Program Outcomes with ggplot2

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1 Load the Data

load("social_service_agency.RData")

2 Load the Libraries

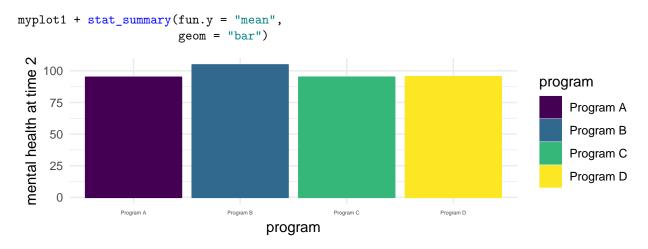
```
library(ggplot2) # beautiful graphs
library(ggthemes) # beautiful themes
```

3 Basic Graph (x is program; y is mental health)

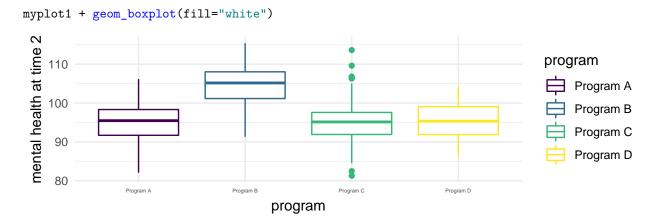
```
theme_minimal() +
theme(axis.text.x = element_text(size = rel(.5))) # smaller labels
```

4 Add Geometries

4.1 Column Chart

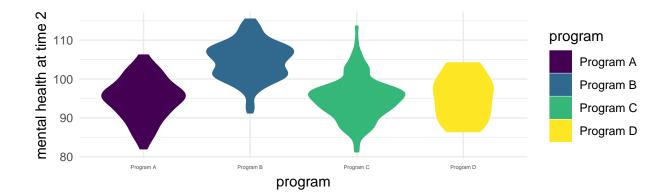


4.2 Boxplot

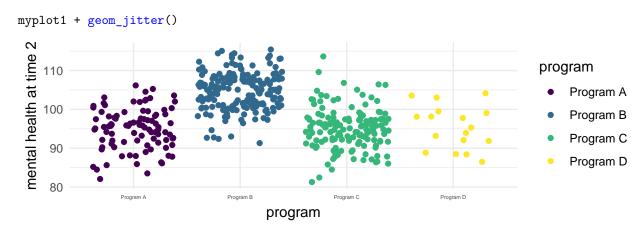


4.3 Violin Plot

myplot1 + geom_violin()

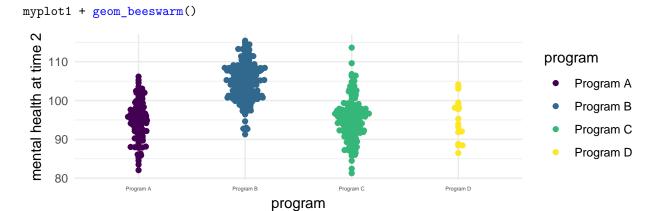


4.4 Jittered Points



4.5 Beeswarm Plot



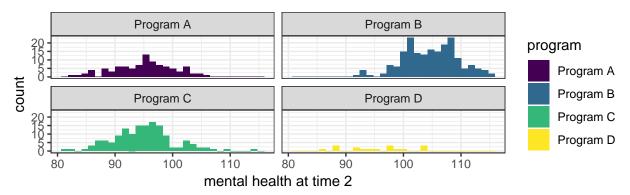


5 Alternate Approach (x is mental health; facet wrap on program)

6 Add Geometries

6.1 Histogram

myplot2 + geom_histogram()



6.2 Density

myplot2 + geom_density()

