

Plotting Practice 2

Sarah Thiesen

25 Februar 2017

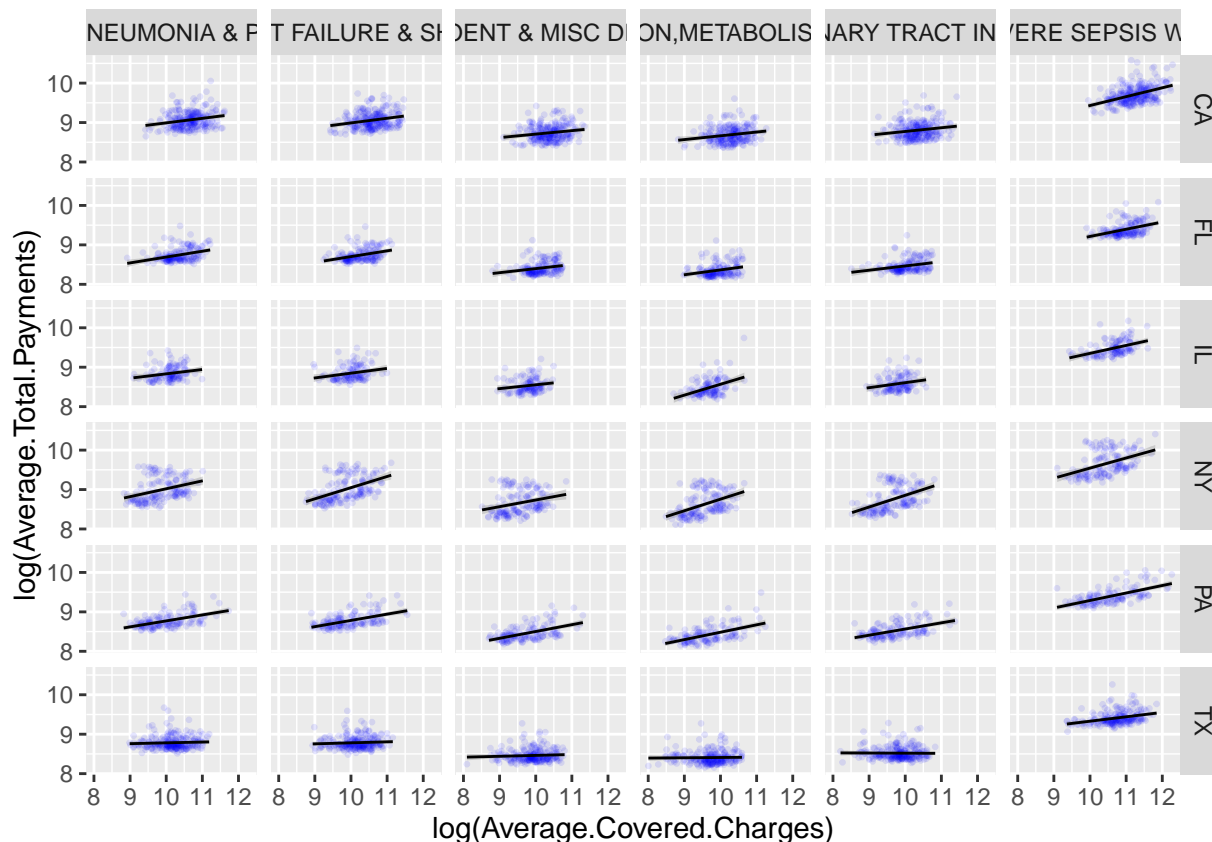
Read data

```
payments <- read.csv("/home/sarah/Uni/R/RepResearch/payments.csv")
```

Question 2:

Make a plot (possibly multi-panel) that answers the question: How does the relationship between mean covered charges (Average.Covered.Charges) and mean total payments (Average.Total.Payments) vary by medical condition (DRG.Definition) and the state in which care was received (Provider.State)?

```
require(ggplot2)
q <- ggplot(payments, aes(log(Average.Covered.Charges), log(Average.Total.Payments)))
q + geom_point(alpha = 0.1, colour = "blue", size = 0.5) +
  facet_grid(Provider.State ~ DRG.Definition) +
  geom_smooth(method = lm, colour = "black", size = 0.5)
```



```
p <- ggplot(payments, aes(Average.Covered.Charges, Average.Total.Payments))
p + geom_point(alpha = 0.1, colour = "blue", size = 0.5) +
```

```
facet_grid(Provider.State ~ DRG.Definition) +
geom_smooth(method = lm, colour = "black", size = 0.5)
```

