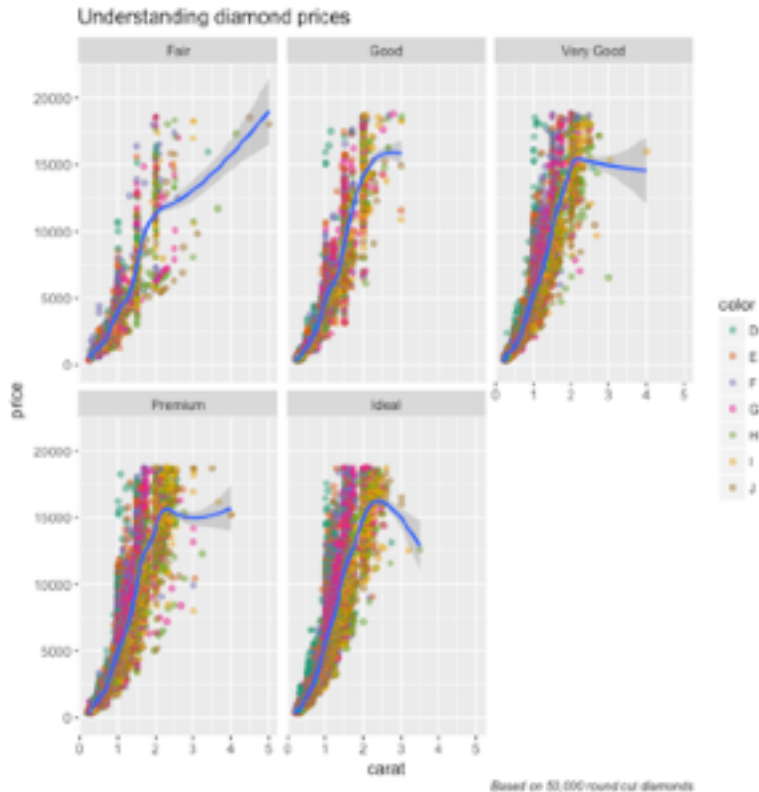




The ggplot2 elevator pitch

- Define a short but comprehensible vocabulary for plots
- Map vocabulary to functions
- “Speak your plot”
- Provide a huge coverage of base functionality
- Define an easy extension system for others to fill out the holes
 - <https://www.ggplot2-exts.org>

ggplot2 in action



```
ggplot(diamonds, aes(x = carat, y = price)) +  
  geom_point(aes(color = color), alpha = 0.5) +  
  geom_smooth() +  
  facet_wrap(~cut) +  
  scale_colour_brewer(palette = 'Dark2') +  
  theme(plot.caption = element_text(  
    face = 'italic', size = 8  
  )) +  
  labs(title = 'Understanding diamond prices',  
        caption = 'Based on 50,000 round cut  
                    diamonds')
```