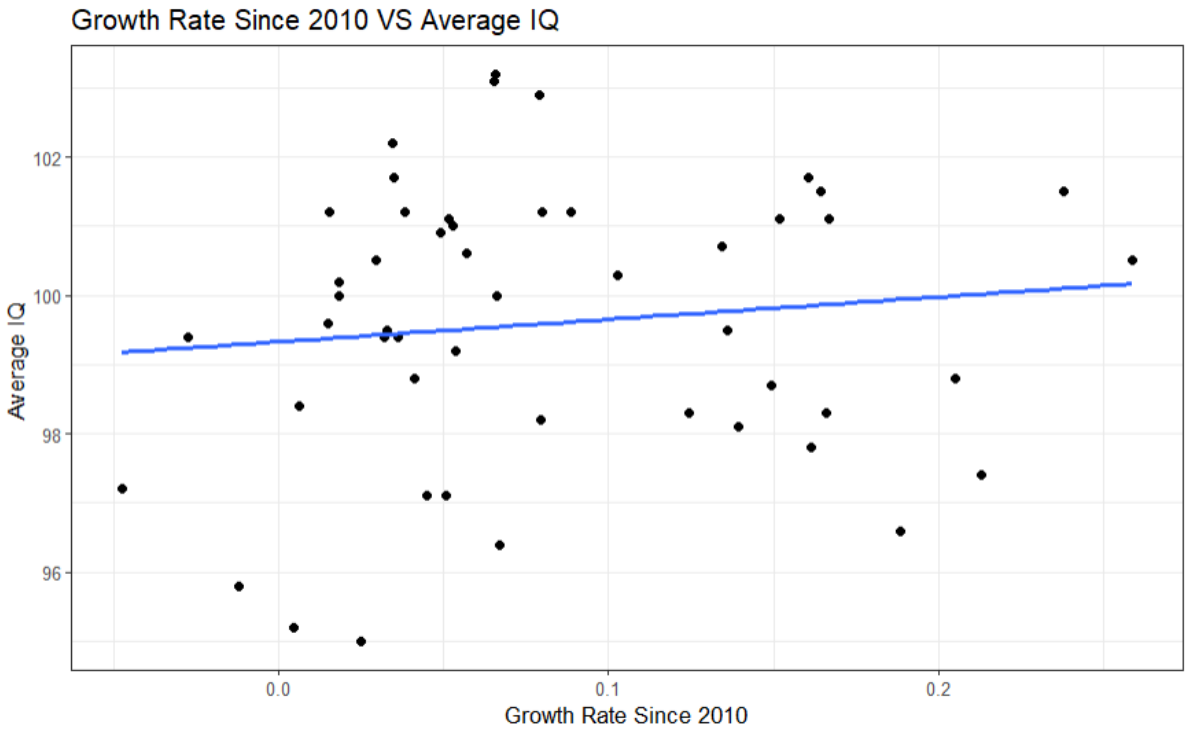
Visualization 1

```r
ggplot(iq_df, aes(x = growthSince2010, y = averageIQ)) +
  geom_point() +
  geom_smooth(method = lm, se = F) +
  theme_bw(base_size = 10) +
  labs(title = "Growth Rate Since 2010 VS Average IQ",x="Growth Rate Since 2010",
       y = "Average IQ ")
```



Background Information

- The visualization above depicts the growth rate of the average IQ of the general population from 2010 to 2023 in the United States
- The scatterplot is quite skewed, with the Average IQ, located on the Y axis, ranging from roughly 95 up to 104
- The X axis depicts the growth rate of the general population in the United States from the original population to roughly the 25% growth rate by the end of the year 2023.

Takeaways from this Visualization

The type of the data driven story that we are showing in this visualization is **Dissect the Factors.** As depicted in the graph above, there is a slight positive correlation between the variables, as you can see the average IQ of the population increased from roughly 99.2 to 100.1. This particular visualization depicts the data story “Dissect the Factors” where we can tell how the average IQ of the population in the United States increases along with the increase of the United States population change rate since 2010. Since the average IQ of the population in the United States does depend on the factor of the power of education received, the trend we see in this graph adds more power to the problem with diminishing population change rate as it may lead to lower IQ of the population.