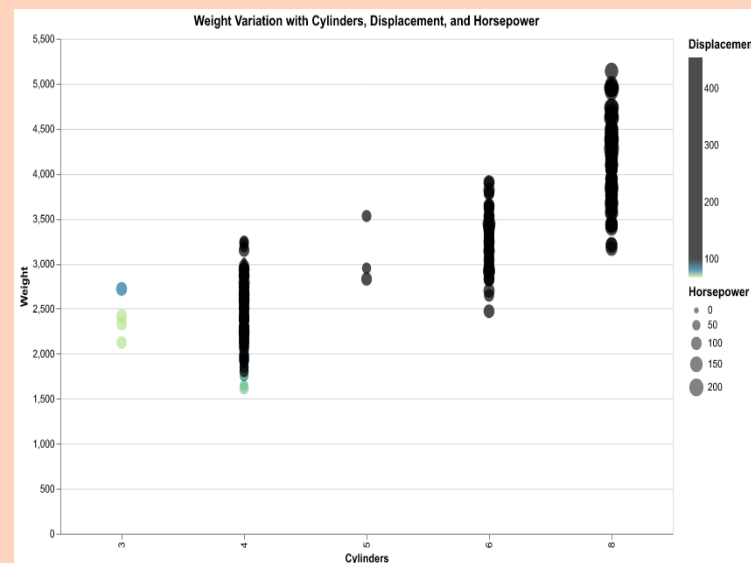


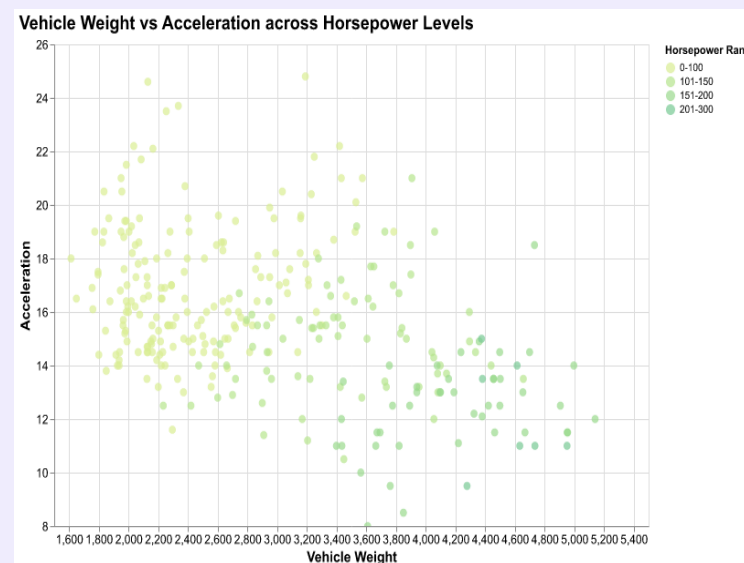
Introduction

This poster explores how engine features and regional origins affect vehicle weight. We analyze weight's relationship with acceleration and horsepower levels. Visualizations reveal differences in weight and performance by origin for 1970 and 1971.

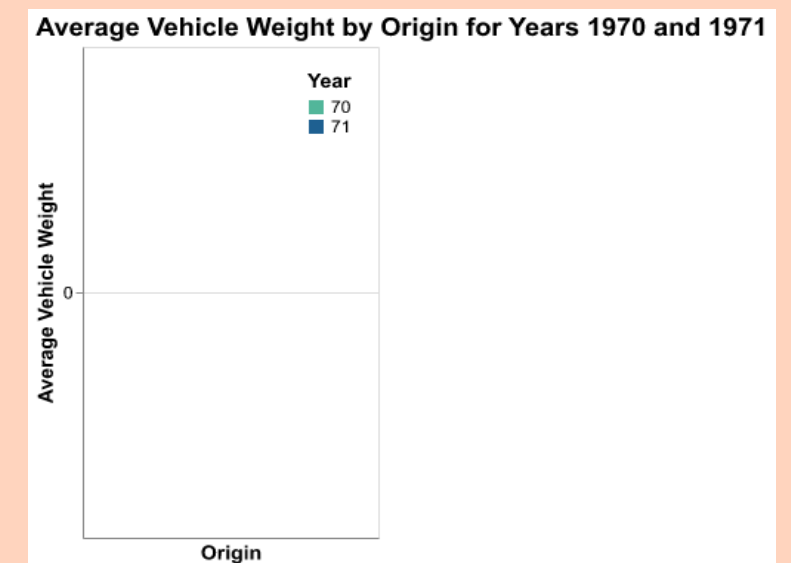
How Do Engine Size and Origin Affect Vehicle Weight and Acceleration?



Vehicles with more cylinders have greater engine displacement and weight; displacement and weight increase together across cylinder counts.



Heavier vehicles consistently have slower acceleration across all horsepower levels, despite higher horsepower improving overall acceleration.



In 1970 and 1971, USA vehicles are heavier on average than European and Japanese vehicles, with little weight change.

Conclusion

Engine cylinders relate directly to both displacement and vehicle weight increasing together. Heavy vehicles accelerate slower, regardless of horsepower improvements. USA vehicles in 1970-71 were heavier than European and Japanese ones, with minimal weight change. Engine size and regional origin significantly influence vehicle weight and acceleration performance. These factors combine to impact vehicle dynamics and market differences in the early 1970s.