

# Telling Stories with Data Dashboard

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Initial submission

The final product for my first submission is `scripts\price_mileage_6.py`.

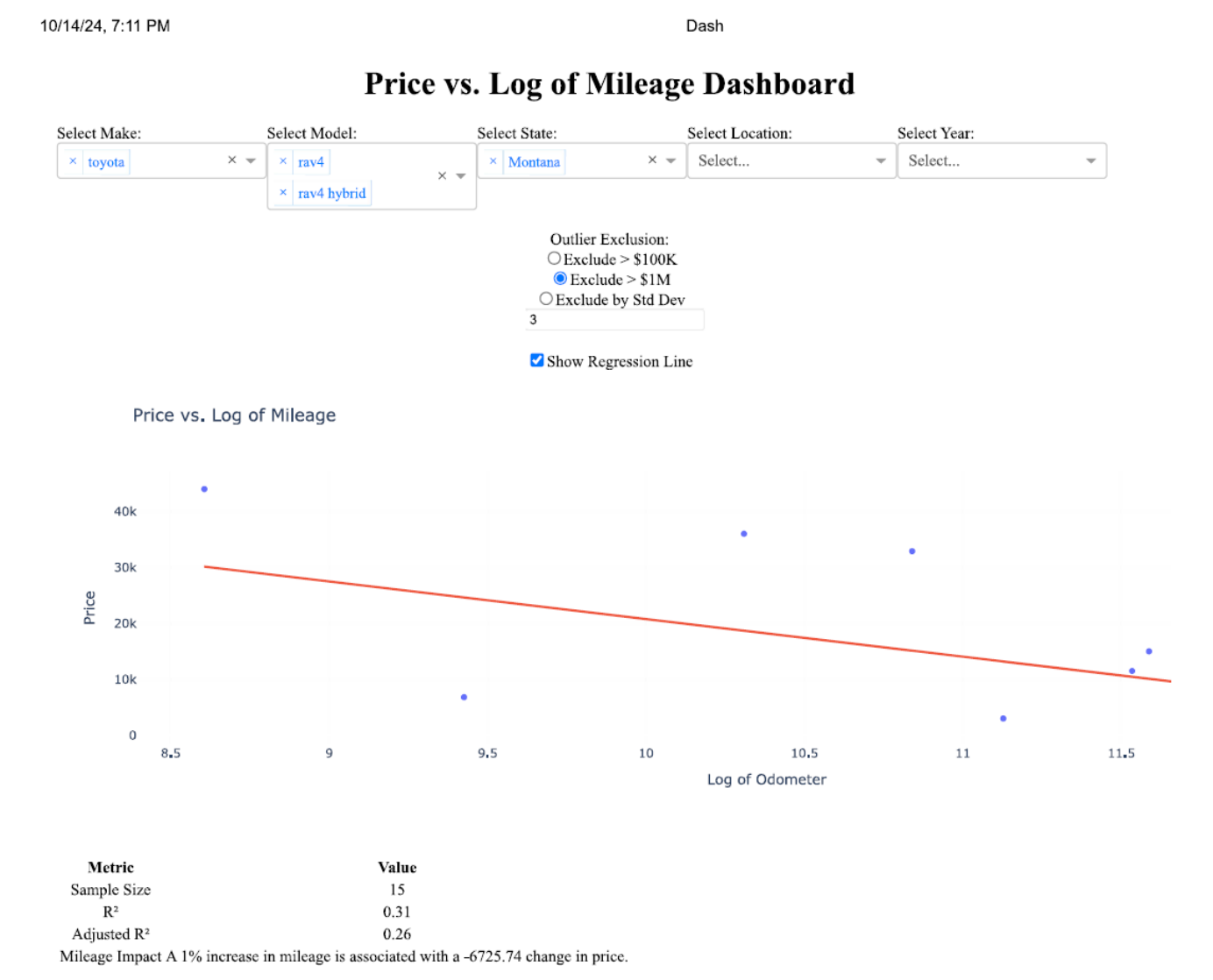
I scraped `state` from craigslist and was almost done with the process so I figured I would submit what I have and try to work with the data for Montana to create a final polished product.

ChatGPT: dashboard creation: <https://chatgpt.com/share/670db7df-a534-800a-b24e-4a4fed4b777c>

dashboard debugging: <https://chatgpt.com/share/670db7df-a534-800a-b24e-4a4fed4b777c>

Web Scraping: <https://chatgpt.com/share/670daba1-86f0-800a-9c97-b771790225d8>

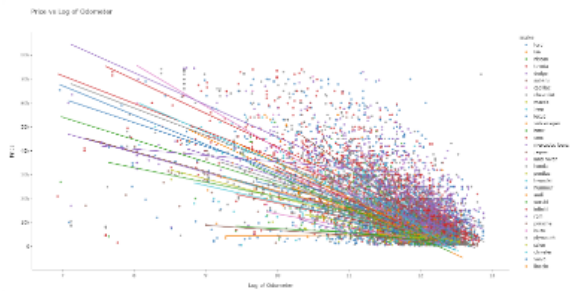
Here is a static view of my car, I stopped filtering as the sample is small. My goal is to include a version of this dynamic scatterplot in my final dashboard.



Github Repo: [https://github.com/jacobchrono/telling\\_stories\\_dashboard](https://github.com/jacobchrono/telling_stories_dashboard)

## Second Submission

You should use `html\dynamic_scatter_fail.html` for future examples of bad graphs. ChatGPT defended its output but I could not attach the full conversation due to a pasted image.



what do you think of this graph chat gpt?



This scatter plot looks quite comprehensive and visually rich. Here's a quick review of its strengths and potential improvements:

**What Works Well:**

- 1. **Color-coded by Make:**  
Different makes are distinctly colored, which helps in visually clustering points by brand.
- 2. **Regression Lines by Make:**  
Multiple regression lines offer insight into the trend of prices versus odometer readings for each car make.
- 3. **Log Transformation of Odometer:**  
Using the log of the odometer effectively handles skewed data, making the plot more interpretable.
- 4. **Minimalistic Theme:**  
The graph is clean and not cluttered with unnecessary gridlines or annotations.

**Areas for Improvement:**

- 1. **Overlapping Data Points:**  
Some points overlap, making it difficult to identify distinct clusters. Consider **transparency adjustments** or **jittering** to reduce overlap.
- 2. **Too Many Colors:**  
While color is useful, with so many makes, it may be visually overwhelming. Grouping **similar car brands** or allowing interactive filtering could improve clarity.
- 3. **Interactive Dropdown or Button Options:**  
Adding interactive filters for **Make, Model, Transmission, or Drive** would allow users to focus on specific data and reduce clutter.
- 4. **Axis Label Formatting:**  
Add **currency formatting** to the y-axis to emphasize the price units.
- 5. **Legend Management:**  
With a long legend on the right, it could be helpful to make the legend scrollable or collapsible in an interactive plot to avoid taking up space.

**Summary:**

This is a great start with solid insights from the regression lines. Implementing interactivity (such as

dropdown filters) and managing visual complexity a bit more could make this even better! Let me know if you want to refine the plot further or explore filtering options!



My vision is to add a widget here the user can build a custom regression model of the full data. I had to limit the number of filters for file size and ability to share so my idea may not be within the scope of the project. Can we share a hosted version over the message board? The final product for this submission is

[html\vehicle\\_dashboard.html](#). The relevant python script is [scripts\combine\\_montana\\_4.py](#).

<https://chatgpt.com/share/670ea0a5-5724-800a-8e8f-397db08135d9>