

Motivation and Data Acquisition

Show the webpage

Introduction of Functions

Process and Implements

Evaluation



DRIVE TO YOU

Motivation & Data Acquisition

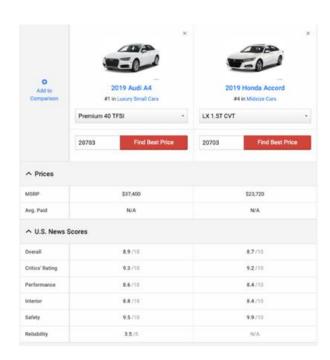
Current website:

Messy layout

All of the data are posted without a clear layout,

Lack of overall evaluation

Unfriendly to people who are not familiar with cars



Dull numbers

It is hard to focus on pure numbers for minutes

Where to start?

No function similar to "find your match" is provided

- 1. Drop down list of cars
- 2. 0-60 acceleration
- 3. Car dimension (WHL)
- 4. Radar chart
- 5. Depreciation & sales
- 6. Customization

- 1. Size decrease from
- 1000+ to 200+
- 2. Delete the car dimension part
- 3. Delete the sales part
- 4. Safety→reliability

- 1. Adjust the customization part
- 2. Add the sales part
- 3. Delete the 0-60s acceleration animation



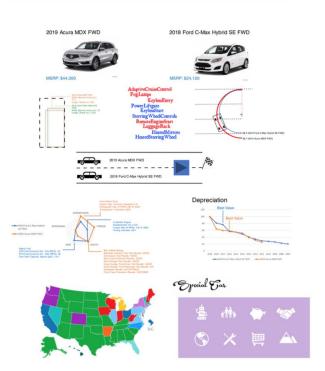
- 1. USNews, Edmunds
- 2. 0-60accelerate
- 3. JDPower
- 4. goodcarbaddcar

- 1. Web crawler to grab data
- 2. Collect reliability score on JDPower
- 3. Collect pictures of 250 cars

- 1. Add illustrations to graphs
- 2. Add guidance

Design Evolusion









Data

Cars:

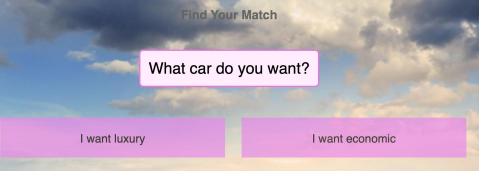
Make, Model, Year, Picture MPG, Realibility, Torque, Wheelbase, Horsepower

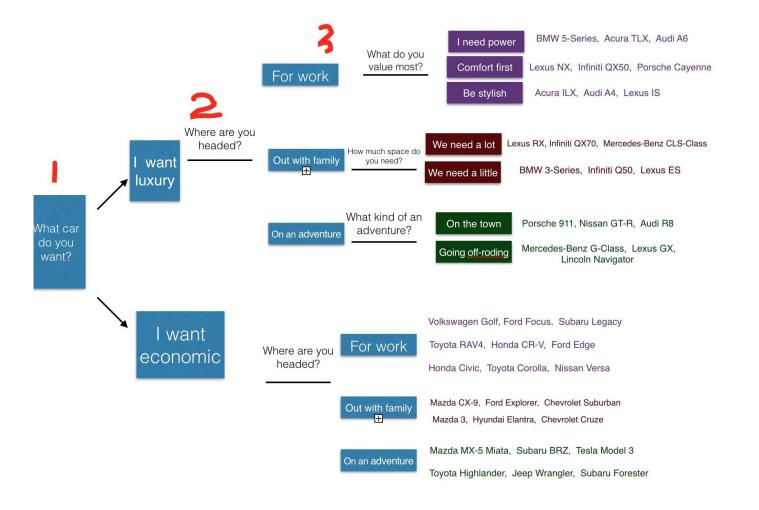
Processing: Year: 2018

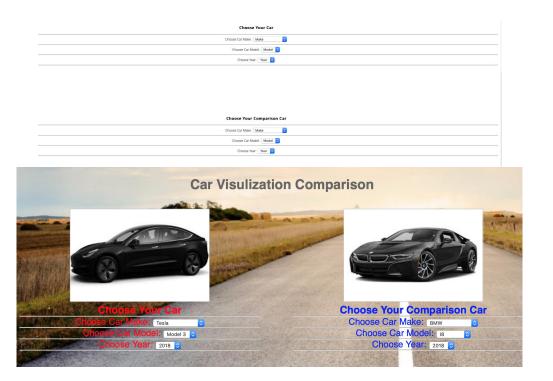
Electric Cars: MPG

Reliability: Missing data for some models







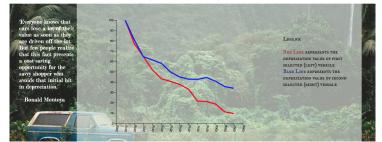


Vertical to horizontal

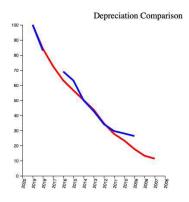
Depreciation



Depreciation Comparison



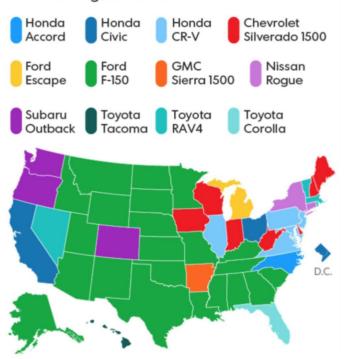
C 0 A4 0 A5 0



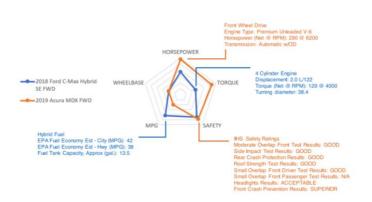
- 1. Remove the year of best value
- 2. Add the illustrations

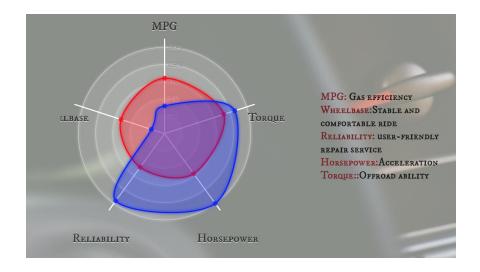
MOST POPULAR VEHICLES

Top vehicles sold in each state based on new car registrations in 2016.









Evaluation

trims.



- Electric cars: MPG (add some illustrations or do the calculation to compare the cost of electricity with the cost of gasoline)
- At the level of visualization of the data we have, dataset of 200+ model is fine.

 At the level of a car website, we need to enlarge the dataset of
- Reliability score of 2018 is not completed, and we use the score of 2017, 2016 and even 2015 for substitute.
- Add more guidance to our website to lead users since each function is not independent.

Q&A