

Pinpoint Data Science Assessment

Dataset

For this quick analysis, you will use the Auto MPG Dataset from the [UCI Machine Learning Repository](#). You can find the dataset on the website (with column descriptions). You can use any language you prefer and it can be packaged however you'd like (zip, dropbox, etc.). We'll review your analysis as part of our interview.

Task

- A feature that our customer wants to add to their product is a performance metric based on the columns `mpg`, `cylinders`, `displacement`, `horsepower`, `weight`, and `acceleration`. They would like to create a singular value per row that they can look at to see how good that car is.
 - Is it possible to create that index value they are looking for? If so, what method would you choose and why?
 - Is there an alternative that you would suggest for this? What sorts of accompanying features would you include? (plots, values, etc.)

We intentionally leave out details and specific needs for the project to simulate potential projects. There is no right or wrong answer here, if you have any questions feel free to follow up with us!

Submission

Once you're all wrapped up, please send your files over to eguillou@pinpoint.com as well a list of dates and times that you are available within the next week. Once received, our team will review and we will reach back out to you for next steps.