EDA

- Exploratory Data Analysis

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Traffic was horrible back then.

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- I walked into my DS program with the following
  - One year of stats
  - Math training up to Diff Eq
  - Completed Andrew Ng's and numerous other math dense MOOCs on machine learning
  - Had completely read several other math dense books on machine learning
- YOU DON'T NEED ANY OF THIS ANYMORE!

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- Today's data scientist need to understand their tools, but not implementation details.
- Algos need proper care and feeding.
- Algos suffer from the same problem all algos do. GIGO.
  - Garbage in. Garbage out.
- Modern algos correct for things we had to manually deal with just 5 years ago.

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Oh lord. Here we go again.

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- We use EDA to understand the data that we're going to analyze.
- This is where you earn your junior P.I. merit badge.

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THE FIRST STEP IN EDA IS TO PERFORM A RECORD COUNT!!

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Here. You’re gonna be a while.

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These stories may seem like they don’t add value.

I tell them because it’s WILD out in these streets and you need to know what you’re getting into.

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Dirt. He means dirt.

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- When you’re crunching numbers, you need to understand how much horsepower is at your disposal.
- Be careful. Some algos explode the dataset and will choke your machine if you’re running an analysis on a single box.

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- The next step in the EDA process….

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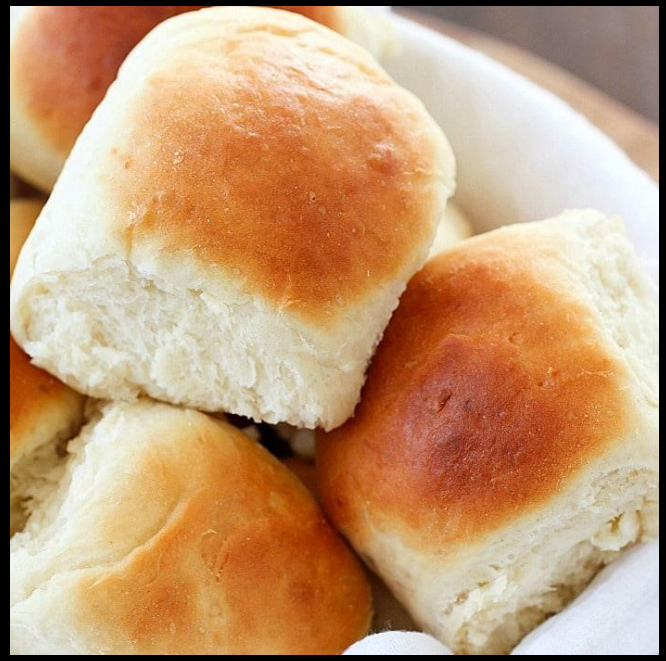

This is how I roll.

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- Do a data summary
- Summaries contain basic statistical information
- You'll need to do some viz because some stats are hard to understand as just numbers.

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