

resentations and Project

- 1 hour lab last minute project fixes1 hour presentations

Matthew Morris

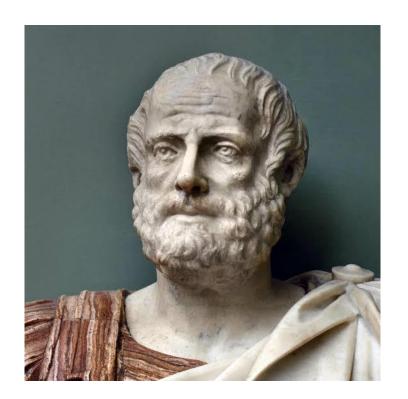
Git: Morrisdata MatthewMorris.DA@gmail.com

Workshop



"Asking the right question is half the answer" Aristotle

- Data Science Examples
- SMART method



Classification

Two-Class is this A or B?

Will this customer subscribe?

- Is this a cat or dog?
- Does this new effort increase sales?

Multi-Class

is this X,Y, or Z?

- What species of fish is in this image
- What is the sentiment of this article?
- Who is the speaker of this recording?
- What kind of vehicle is in front of me?

Clustering

- What are our customer segments (customer demographics and outcomes of those demographic combinations.)
- What items are often bought together?
- gaming or sports metrics to create balanced games or form best teams.
- metrics on interactivity with a product(emails, streaming, click through) and outcomes.

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ression
ar
mperature, weight, Sales
usal analysis, forecasting, forecasting effect, trend forecasting
body weight, calorie intake, and age influence blood cholesterol level?
ith employee base pay increase and work demand retention rate will increase or decrease by X a quarter.
w much will 30 minutes of studying increase a grade?
cal
ry
        Should you approve a loan for a customer?
        Will a team win?
tinominal
        Classify text based languages
        Predicting whether student will graduate high school, drop out, or go onto college.
inal
        Ranking store locations as low medium high
        Predicting top 10 movies.
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Anomaly Detection

Are these sales unusual?

Is this email typical?

Are these combinations what we are used to seeing in risk?

Is the snow- pack normal for this time of year?

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 Specific: State exactly what you want to accomplish (Who, What, Where, Why)

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 Measurable: How will you demonstrate and evaluate the extent to which the goal has been met?

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 <u>Achievable</u>: stretch and challenging goals within ability to achieve outcome. What is the action-oriented verb?

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Relevant: How does the goal tie into your key responsibilities?
 How is it aligned to objectives?

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 <u>Time-bound</u>: Set 1 or more target dates, the "by when" to guide your goal to successful and timely completion (include deadlines, dates and frequency)

GENERAL ASSEMBLY

Tasks

Use Slack email or zoom to chat with at least one other classmate and discuss:

What do you feel you are struggling with in class and what do feel you are getting

What dataset do you have or are thinking of using for your final project

Based on the basics of Data Science Models in the first unit what kind of predictions will you try

to make and how?

Bonus Discussion Topics

What is the difference between logistic and linear regression?

What is an example of a Classification Model?

What is the Smart Method:

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