3 LESSONS FROM 3 YEARS OF DATA SCIENCE

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AN INTRODUCTION

My Day to Day

- Data scientist working in industry
- Author of Mastering Communication in Data Science (late 2021)

My Background

- Master's of Statistical Science
- Bayesian statistics, machine learning, Python and R programming
- Sports analytics

1.PROJECT MANAGEMENT
2.COMMUNICATION
3.SELF-PROMOTION

1.PROJECT MANAGEMENT

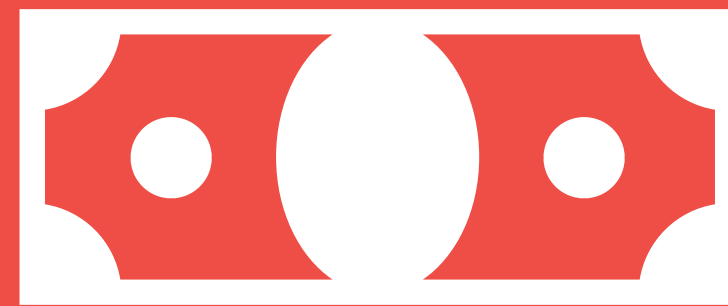THE MOST ACCURATE MODEL IS NOT ALWAYS THE BEST MODEL

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Operate within the constraints of deadlines
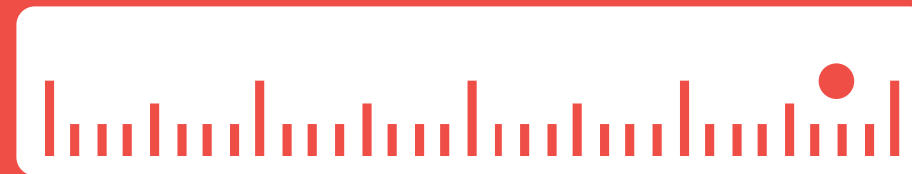
Complexity can lead to increased costs

Black box models can be difficult to explain

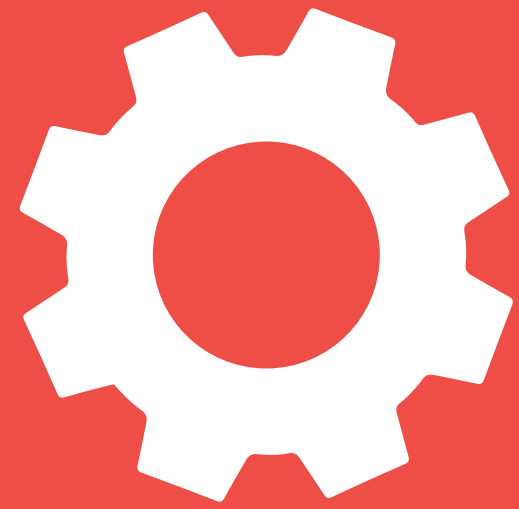# START SIMPLE AND EVALUATE AS YOU GO

What has been done before?

Establish a baseline level

Look at performance difference

LEARN HOW TO MANAGE COMPUTING COSTS

Differences between cluster settings

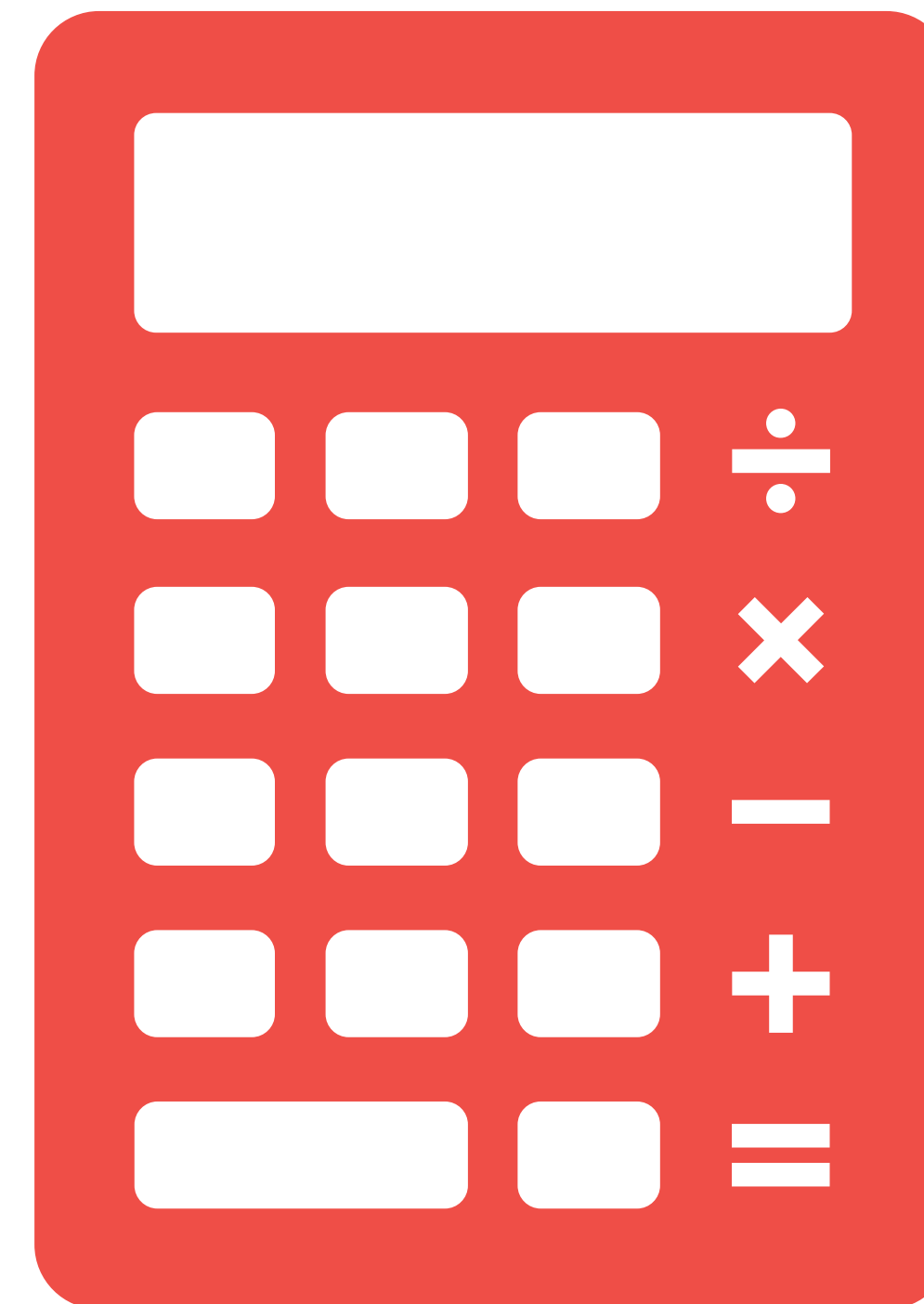**Reduce the size of the data**

Efficiency of parallel computing

2. COMMUNICATION

IT'S IMPORTANT TO BE ABLE TO EXPLAIN YOUR JOB TO NON-TECHNICAL PEERS

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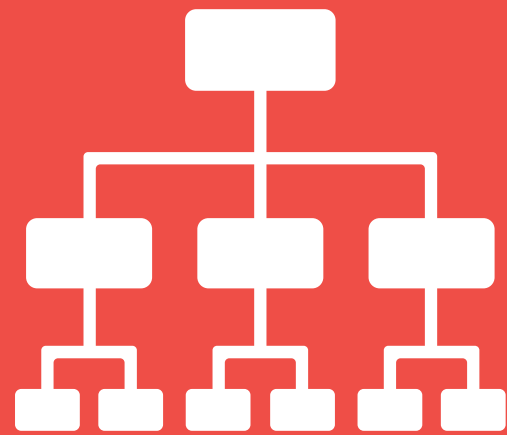
Build trust and develop a relationship

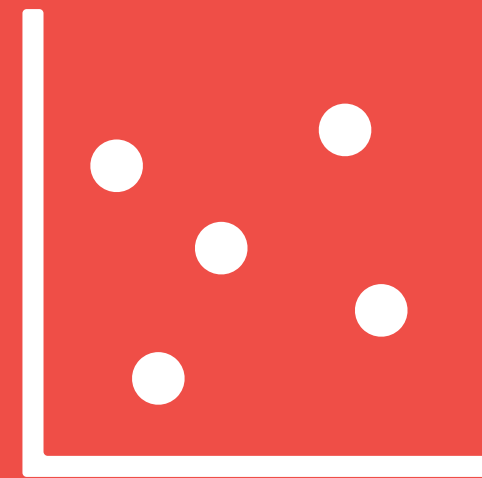**Educate on the data science process**

Develop a data science brand

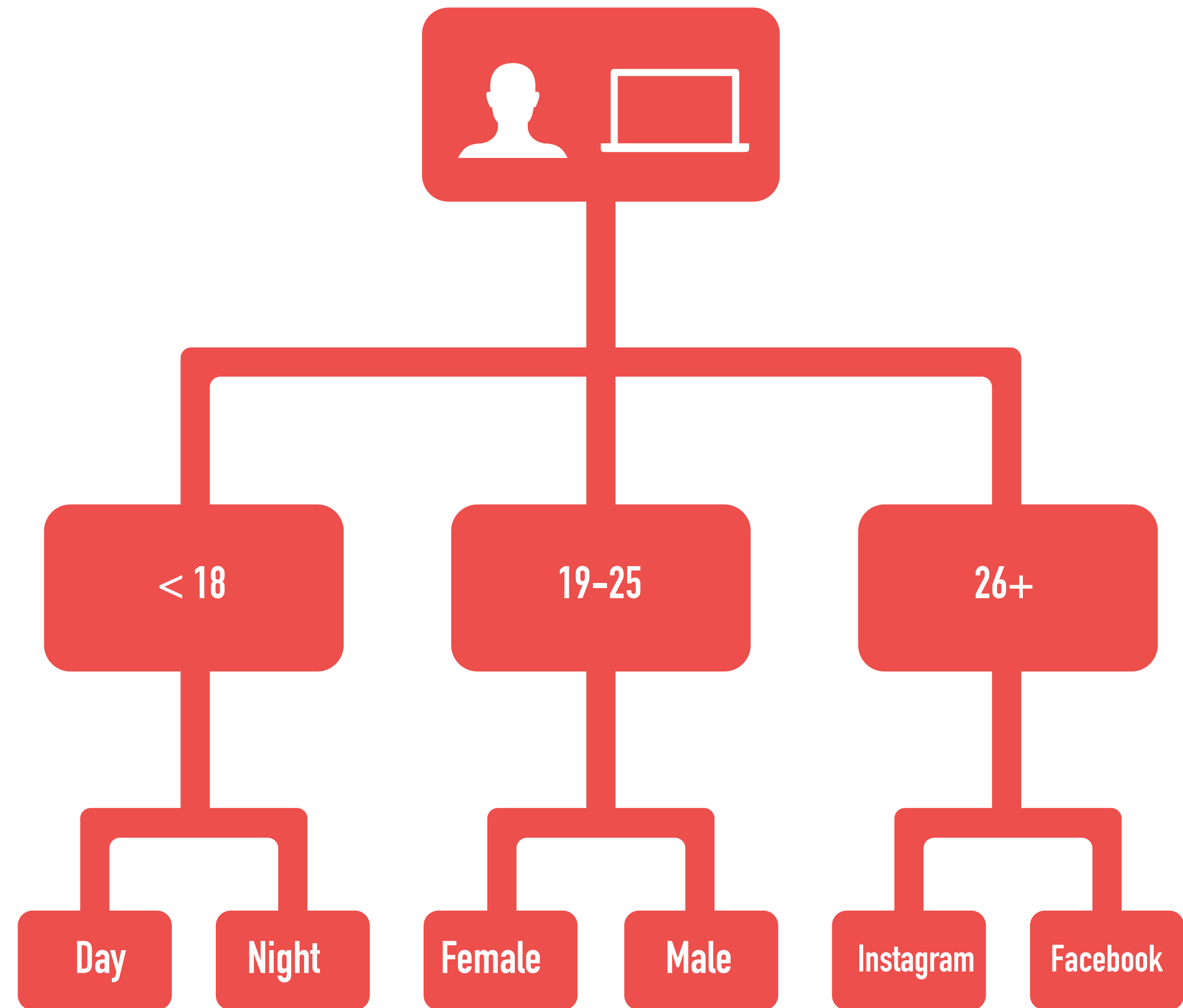# BREAK DOWN TOPICS INTO SMALLER CHUNKS

Same structure as a flow chart

Groups together the most similar observations

Assumptions and limitations

USE A RELATABLE AND SIMPLE EXAMPLE

Will customer click on the ad?

< 18

19-25

26+

Day   Night

Female   Male

Instagram   Facebook

34% click
No click

3. SELF-PROMOTION

YOU ARE YOUR OWN BEST ADVOCATE

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You are an asset to your team

Mentors and advocates are important
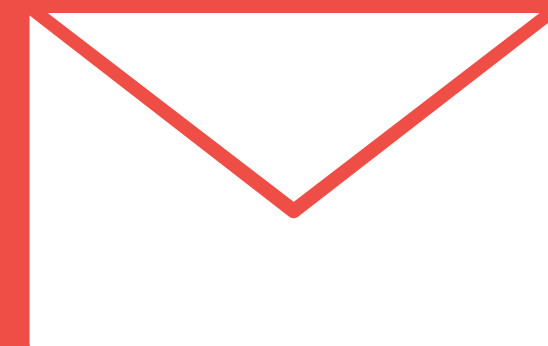
Assistance with career development

NETWORK INSIDE AND OUTSIDE THE COMPANY

Contribute to regular summary content

Set up 1:1's and coffee chats

Do your research before reaching out

ACTIVELY THINK ABOUT CAREER DEVELOPMENT

Individual contributor vs. manager

What type of work makes you happy?

Share your career goals

SUMMARY

Better accuracy doesn't mean a better model

Develop strong communciation skills

You are your own best advocate

QUESTIONS?

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