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# GETTING STARTED WITH DATA SCIENCE

Making sense of data

# TABLE OF CONTENTS


WHAT IS DATA ?

WHY DATA SCIENCE ?

WHO IS DATA SCIENTIST ?

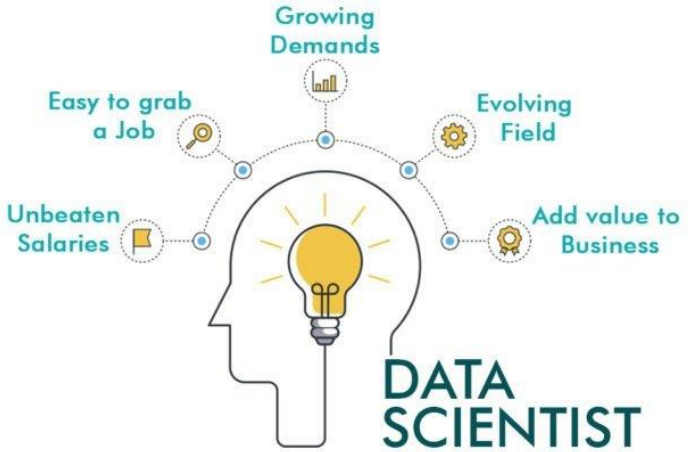
THE LIFECYCLE OF DATA SCIENCE

JOB ROLES

DATA SCIENCE COMPONENTS

# WHAT IS DATA?

Data are raw ingredients from which statistics are created.



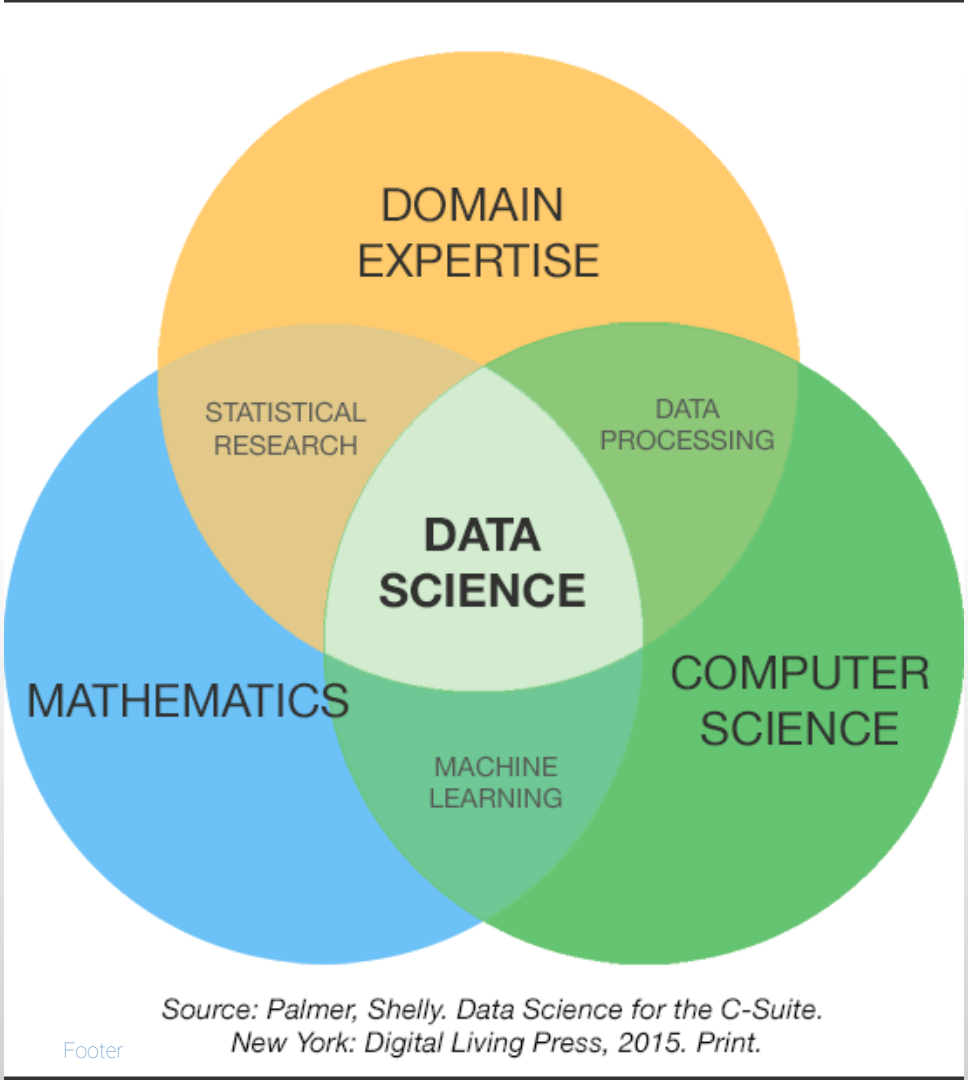

# WHY DATA SCIENCE ?

- Growing Demand - **India** has over 93,000 job openings for **data scientists**
- Easy to grab a job - India is the **second-highest country to recruit employees** in the field of data science or data analytics, etc. with 50,000 positions available – second only to the United States.
- Unbeaten salaries - Companies are throwing **huge salaries** at those having skills to take on the positions of Data Analysts, Scientists, Engineers, etc.
- Evolving Field - A big reason for taking up Data Science as a career, there is a **40 percent rise** in demand approximately for data scientist since January 2019, and more than 300% since 2013.
- Add value to business- Data Scientists plays a **very important role they serve as a trusted adviser and strategic partner to their management.**

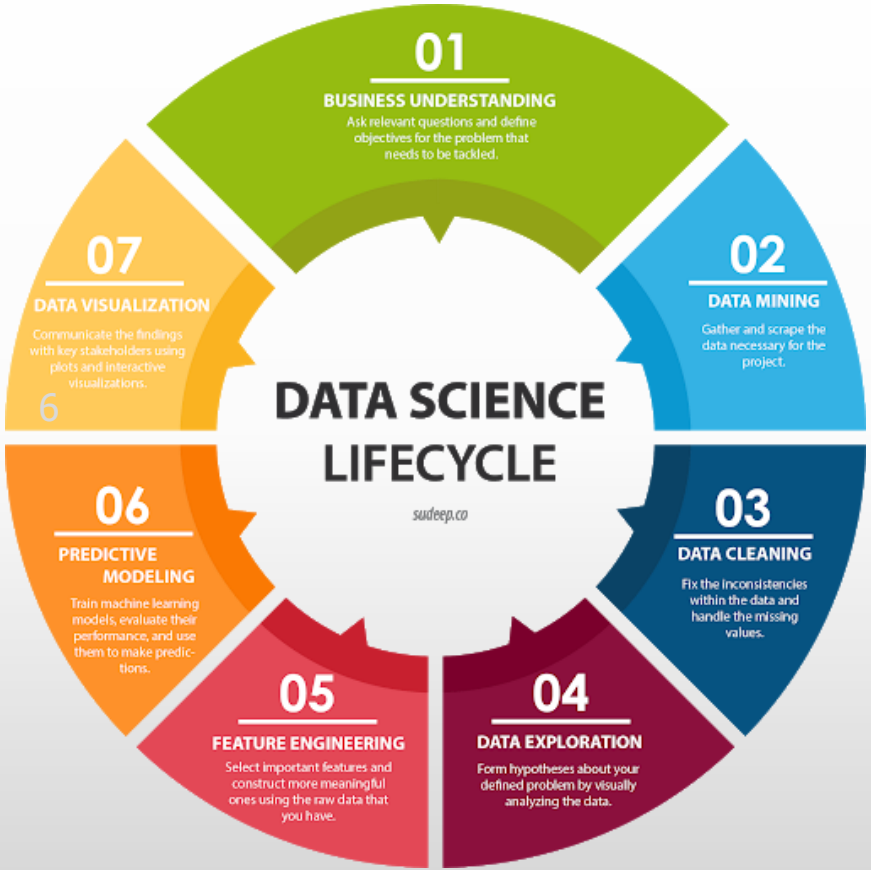
# WHO IS DATA SCIENTIST ?

A GOOD DATA SCIENTIST IS SO SOMEONE WHO CAN ASK GOOD QUESTIONS !!

- Business Expert
- Innovator
- Solution Architect
- Network Builder




*Source: Palmer, Shelly. Data Science for the C-Suite. New York: Digital Living Press, 2015. Print.*



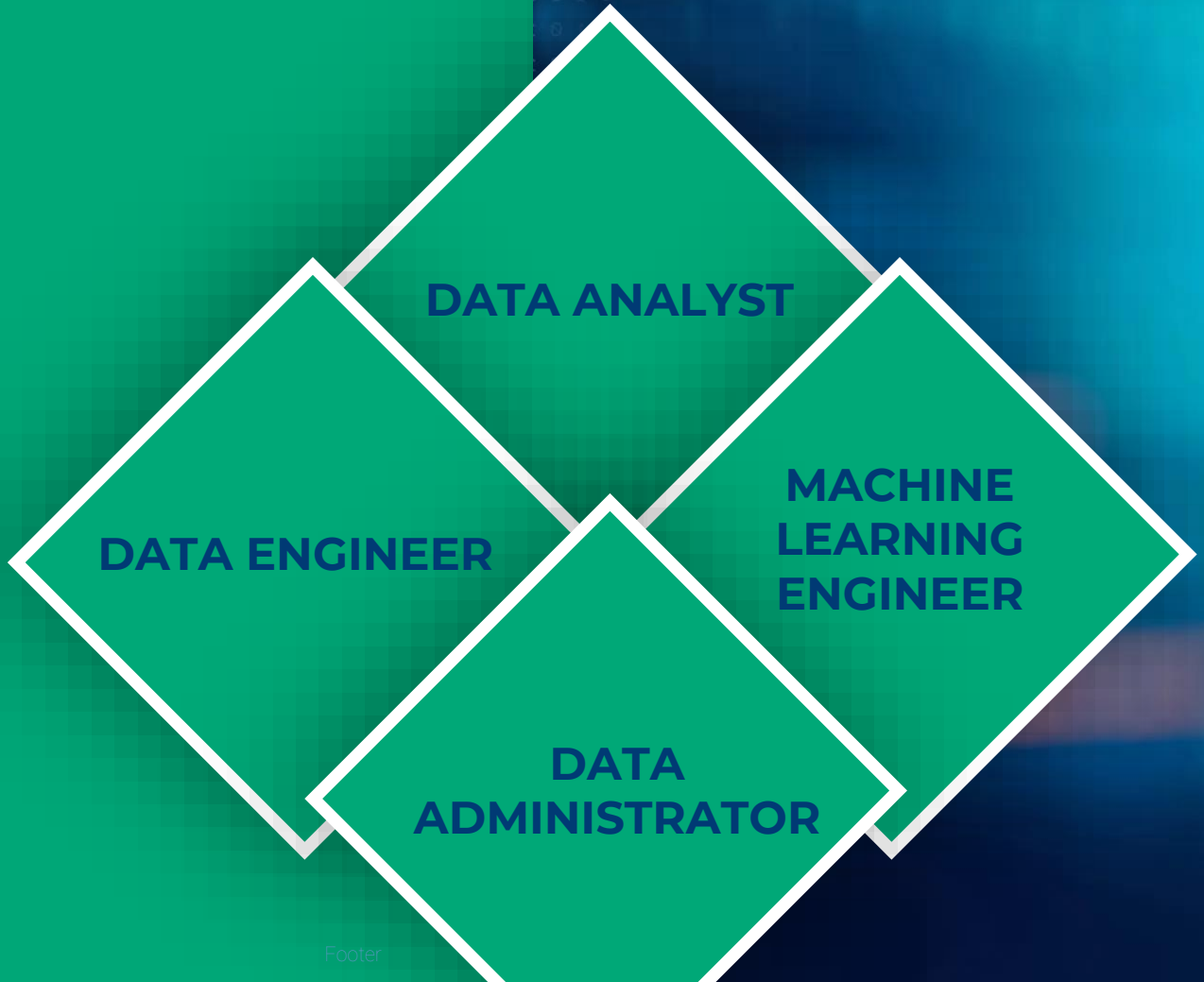

# DATA SCIENCE LIFECYCLE

Where the information comes from

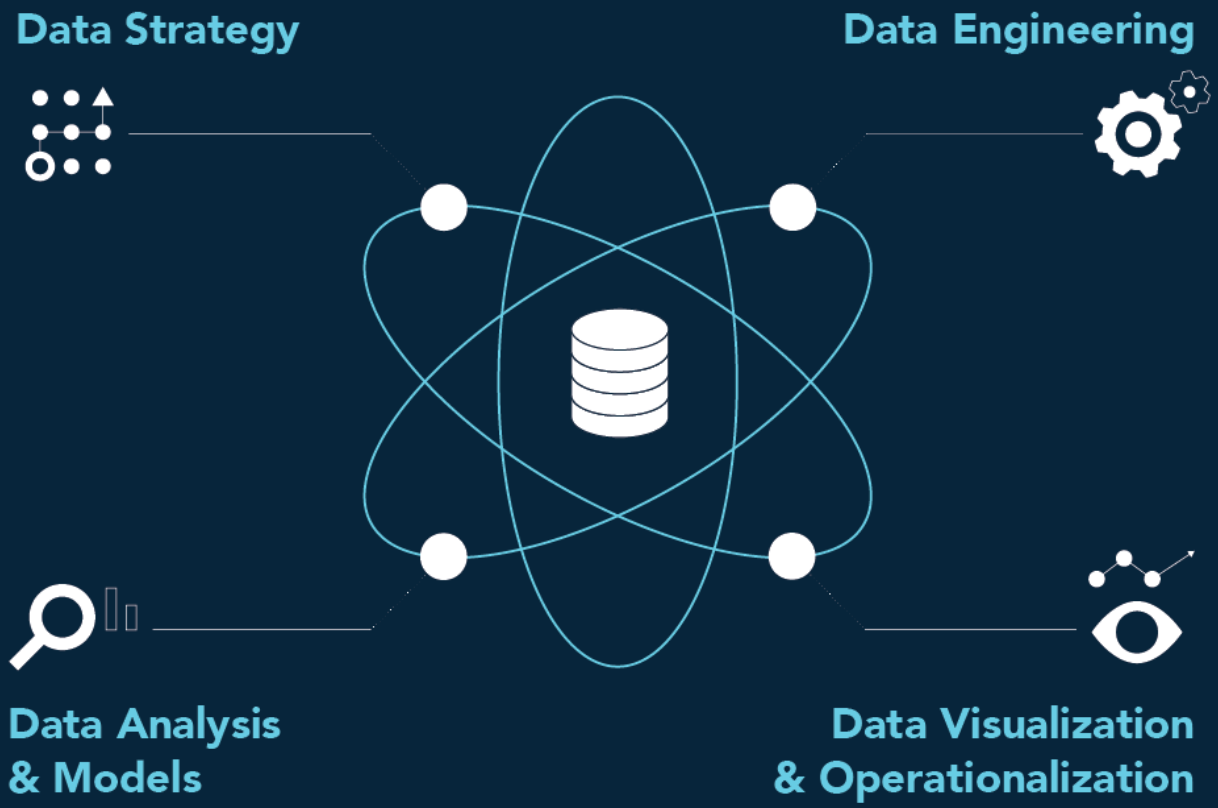
What it represents

How it can be turned into a valuable resource

# JOB ROLES


DATA ANALYST
DATA ENGINEER
MACHINE LEARNING ENGINEER
DATA ADMINISTRATOR

# JOB ROLES

DATA SCIENTIST
DATA ARCHITECT
BUSINESS ANALYST
STATISTICIAN

# The four components of Data Science