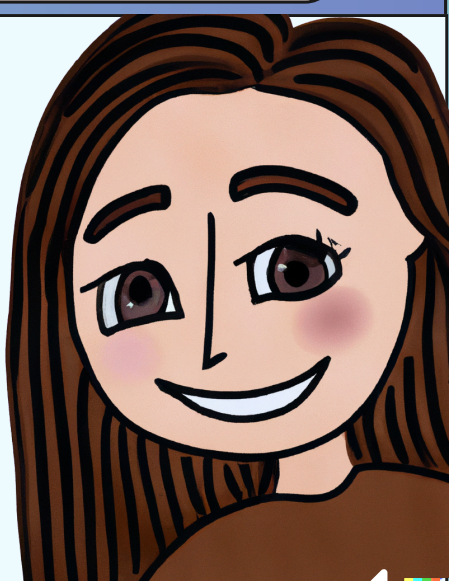



@datasciencedani

Machine learning

WHAT IS ML AND WHEN TO USE IT?






Machine Learning

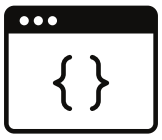
Machine Learning (ML) is a discipline within the field of Artificial Intelligence that, using **algorithms**, allows computers to **identify patterns** from data to **make predictions**.

Definition


Classical programming



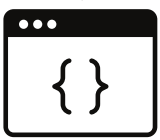
Programmer makes rules

INPUTS →  → OUTPUTS

Machine Learning

INPUTS WITH OUTPUTS → 

Machine learns rules

NEW INPUTS →  → PREDICTED OUTPUTS

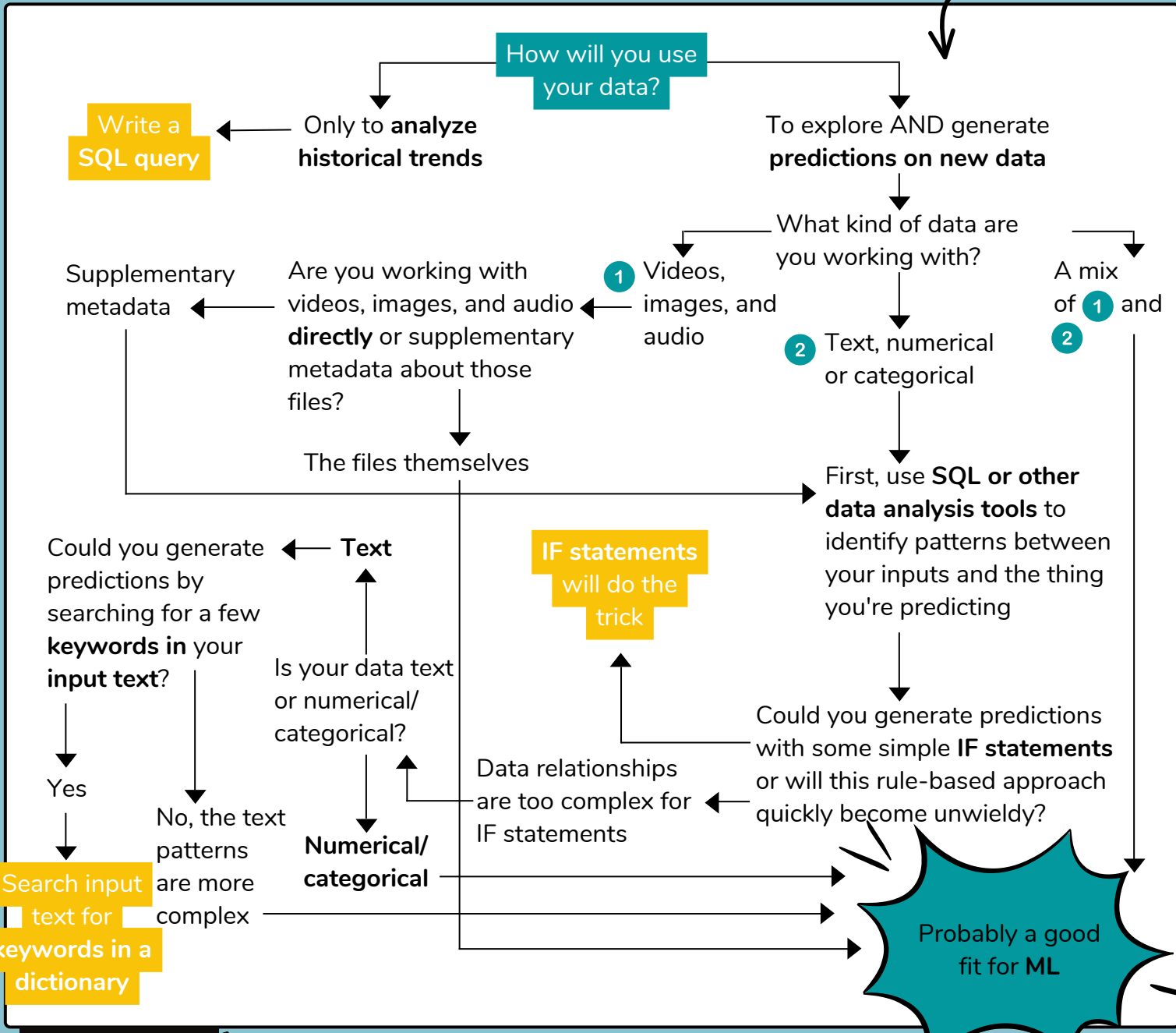
2


When to use ML?

"... as trendy as ML has become, sometimes a **SQL query** or **IF statement** can accomplish the same job as an **ML model** in much less time."


Flowchart

created by GCP developer [Sara Robinson](#)




CLICK ON 

●● Medium articles to go through the paths in the [flowchart](#) with specific examples using real datasets with GCP solutions.



When should you use machine learning? — Part 1



SQL or ML? The same dataset, two ways.