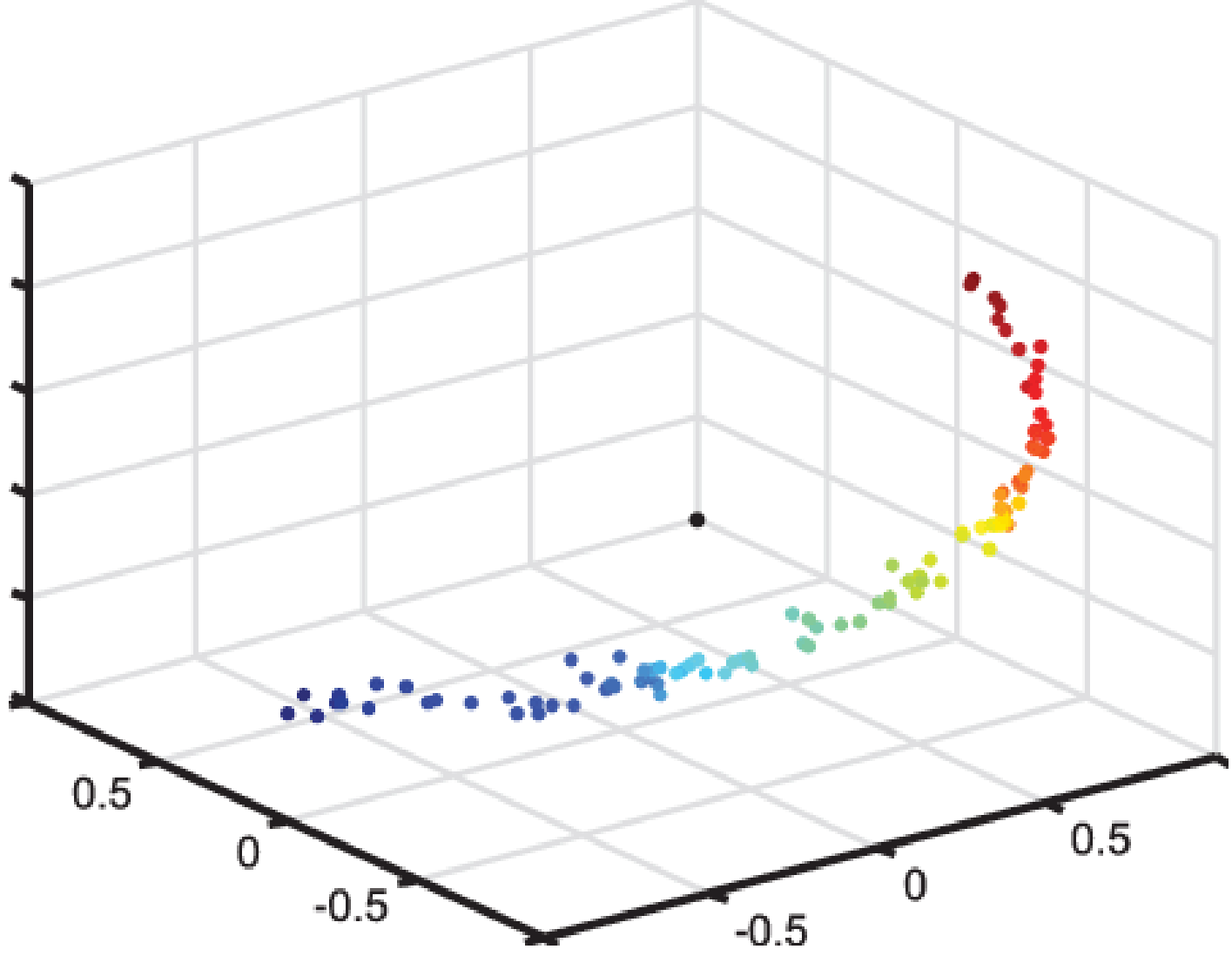
Data-Driven Science

@datadrivenscience

WHY USE

DIMENSIONALITY REDUCTION

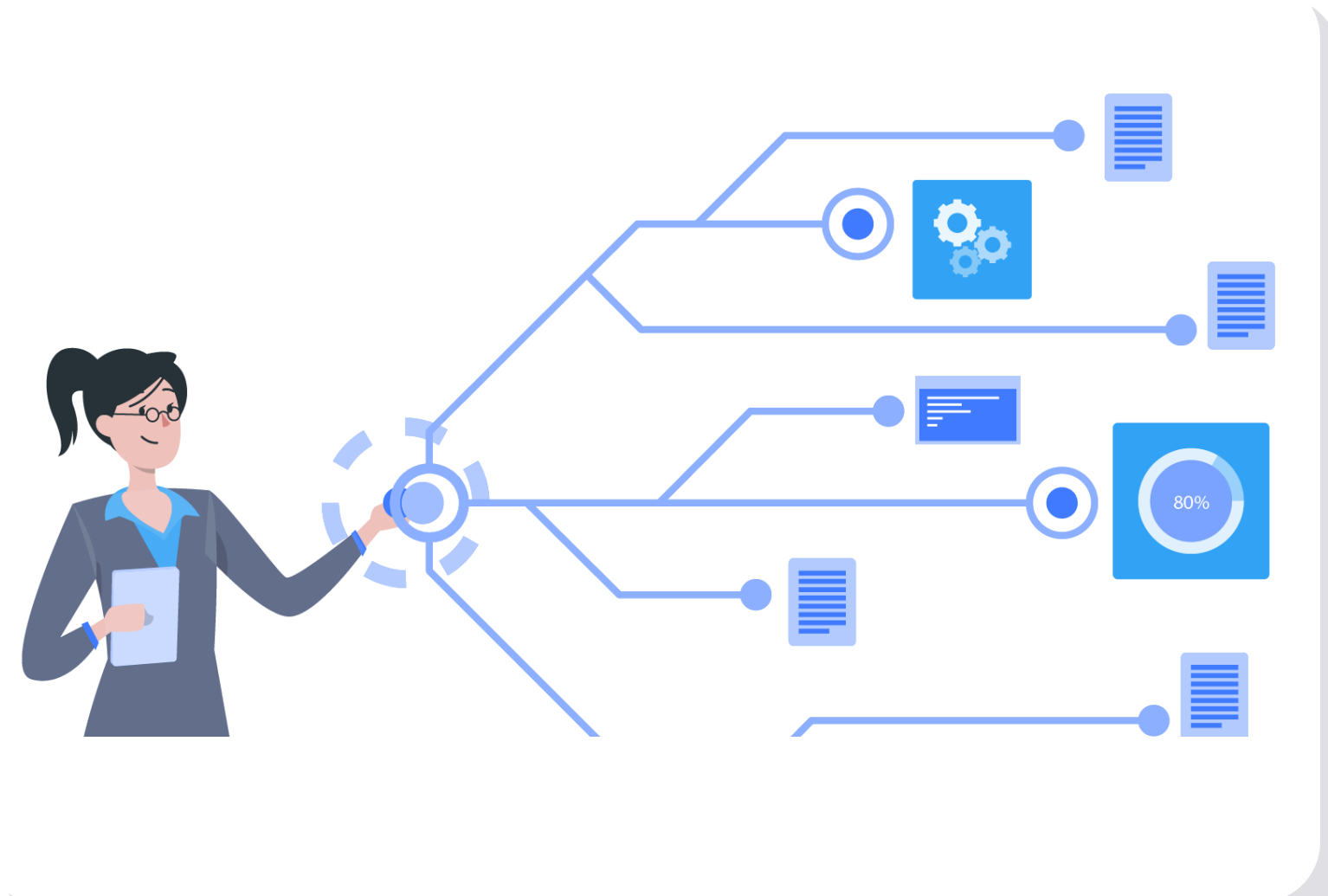
TO INCREASE MODEL ACCURACY?



Swipe To Read

Data is crucial for a Machine Learning Model to deliver **accurate results**. But,

ONLY RELEVANT DATA



A machine learning model trained on **high dimensional data**

- Gets **Increasingly Dependent** on the data it was trained on
- Processes **Irrelevant** Features
- Leads to **Overfitting**
- Leads to **Poor Performance** on Real Data

This is where

DIMENSIONALITY REDUCTION helps

> It is the process of **including features that are directly relevant to the problem** by reducing the number of variables in the review

By reducing the dimensions,

WE CAN REDUCE THE ‘NOISE’

the unnecessary parts of the data

It has the following advantages:

- **Quick Projection** in Space
- **Improved** Model Accuracy
- **Faster** Algorithm Training
- **Less** Storage Space

If you ‘AGREE’, share your experience with Dimensionality Reduction or drop a 👍 in the comments below

Data-Driven Science

We will help you build a career in AI

LINK IN BIO