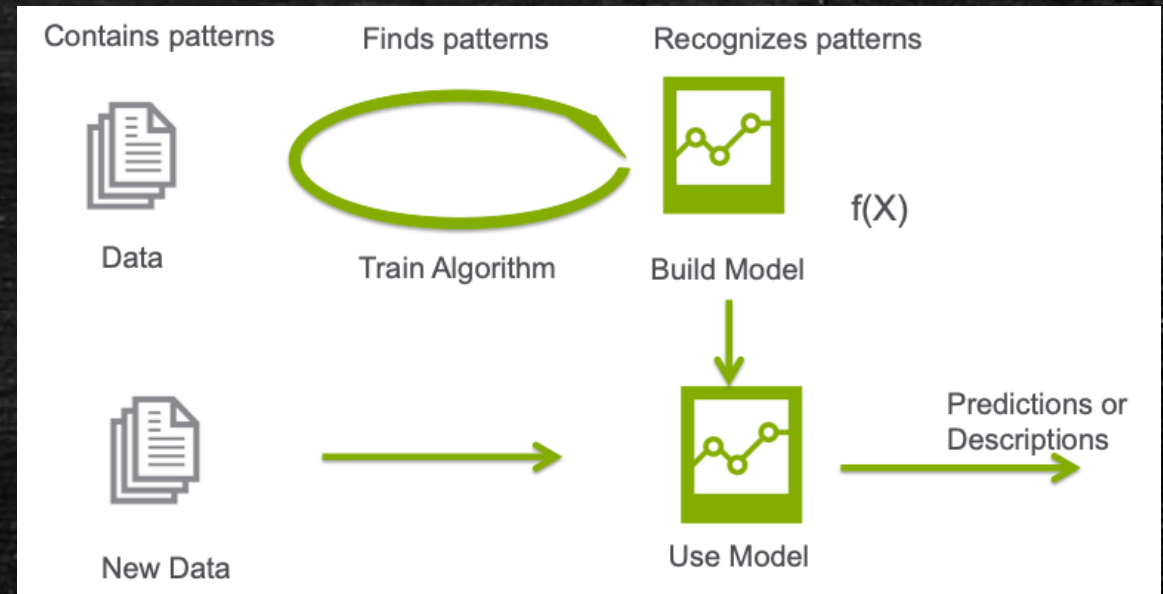


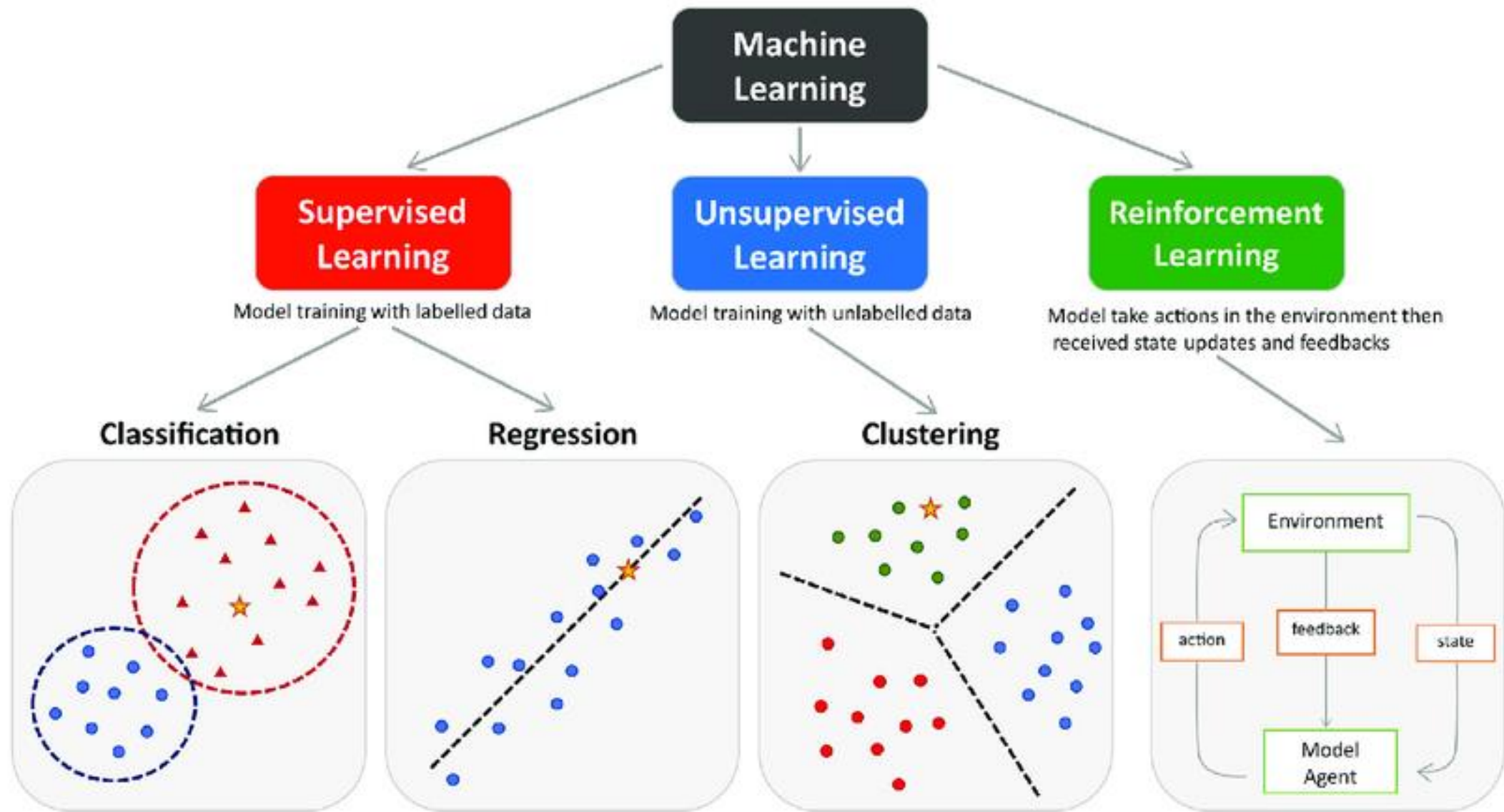
MACHINE LEARNING WITH PYTHON

Mentor : SAUMYA GUPTA

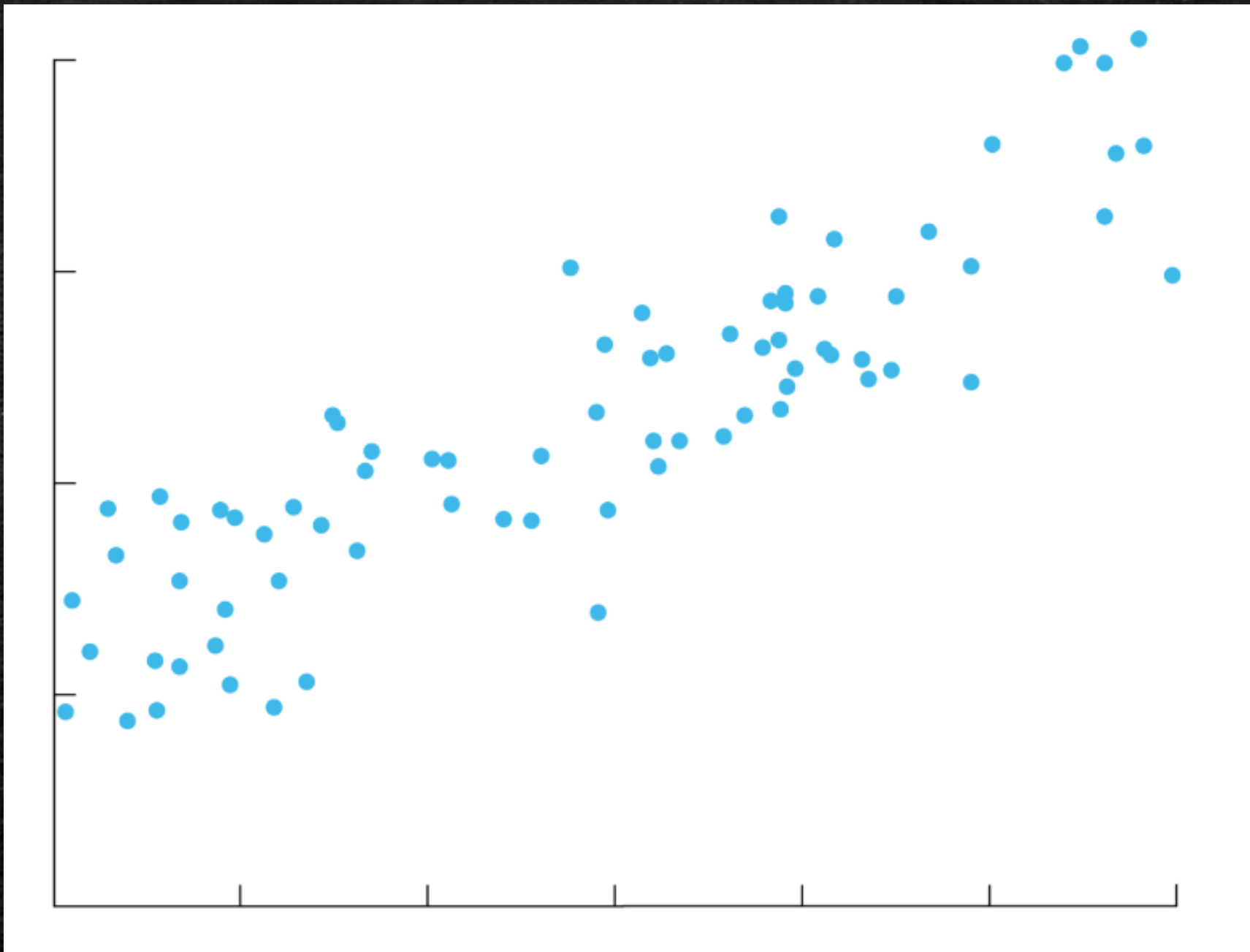
What is ML?

Machine Learning is a branch of artificial intelligence that develops algorithms by learning the hidden patterns of the datasets used it to make predictions on new similar type data, without being explicitly programmed for each task

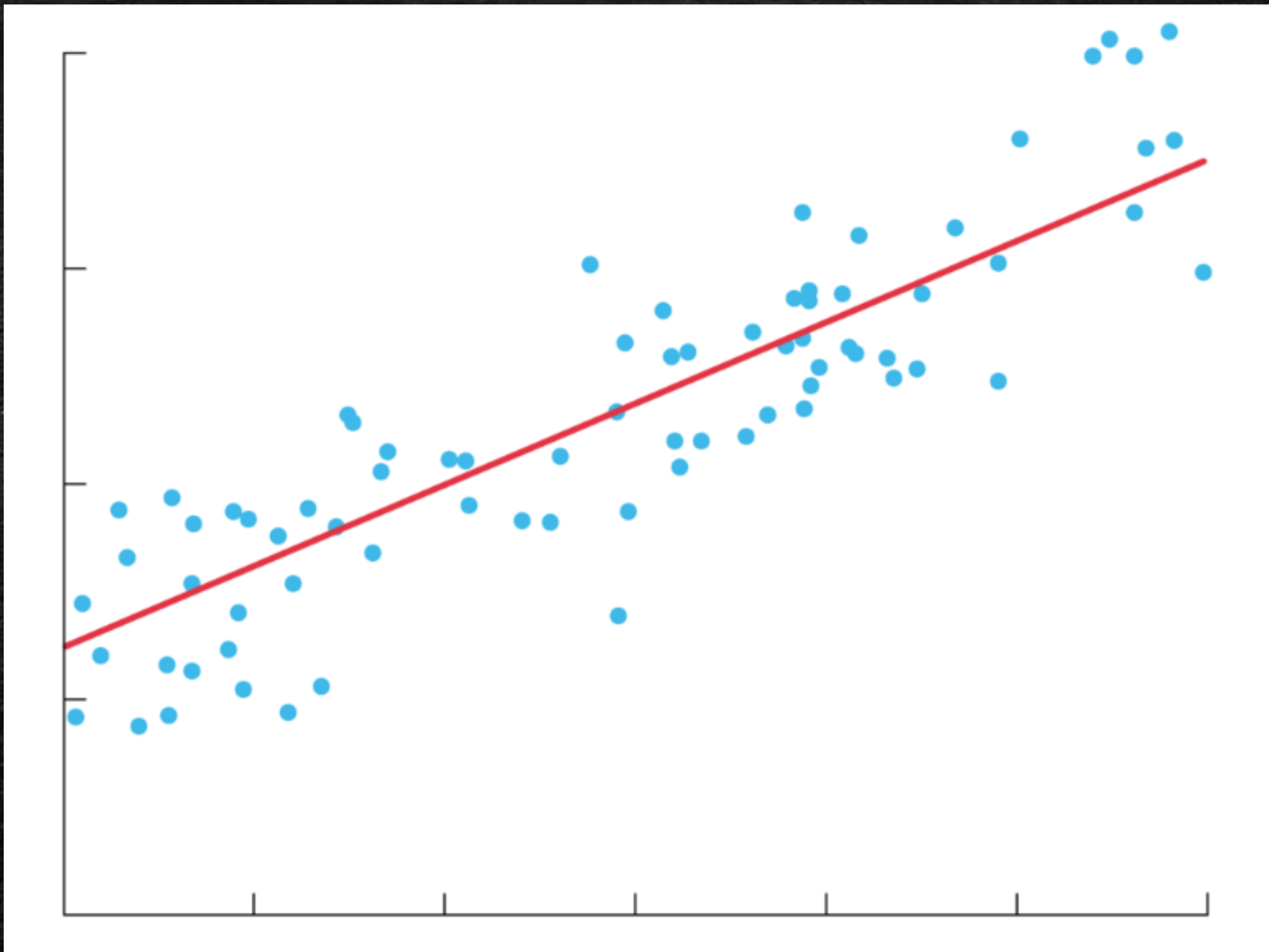




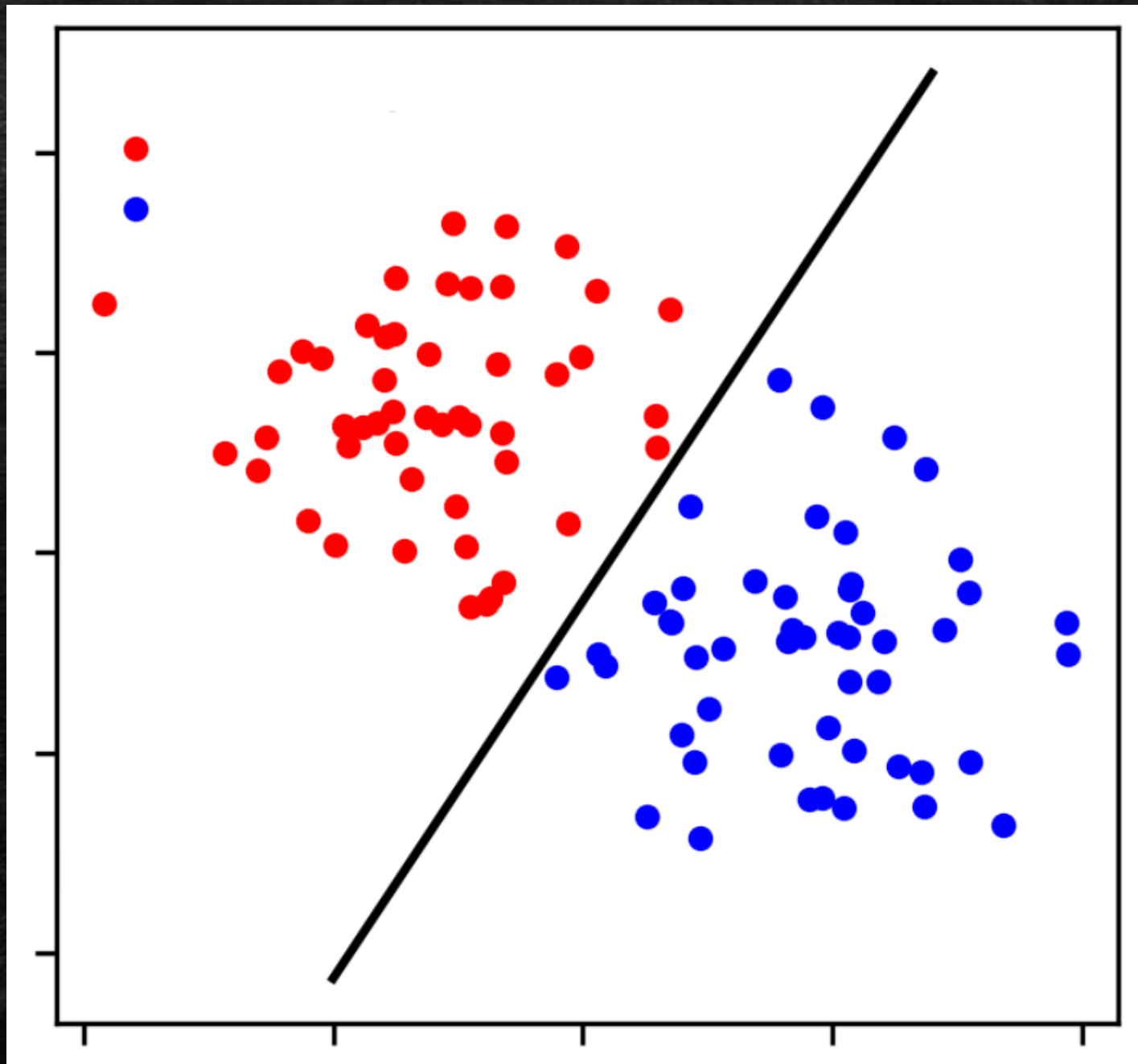
Regression



Input : X
Output : Y



Classification



Input : X, Y
Output : Colour

We will delve into these
topics later....

As you have seen in previous slides, we are:

- Importing and Analyzing Data – Pandas Library
- Visualizing data in form of plots – Matplotlib Library
- Performing computations on the data – NumPy Library

You need to install

- Python 3

- Windows: <https://phoenixnap.com/kb/how-to-install-python-3-windows>
- Ubuntu: <https://phoenixnap.com/kb/how-to-install-python-3-ubuntu>
- MacOS: <https://flaviocopes.com/python-installation-macos/>

- Anaconda

- Windows: <https://docs.anaconda.com/anaconda/install/windows/>
- Ubuntu: <https://docs.anaconda.com/anaconda/install/linux/>
- MacOS: <https://docs.anaconda.com/anaconda/install/mac-os/>

You also need to know about

- PIP : Package Manager for Python
- Git and GitHub : For submitting assignments
- Jupyter Notebooks : <https://realpython.com/jupyter-notebook-introduction/>
- Kaggle : A community of data scientists and ML practitioners