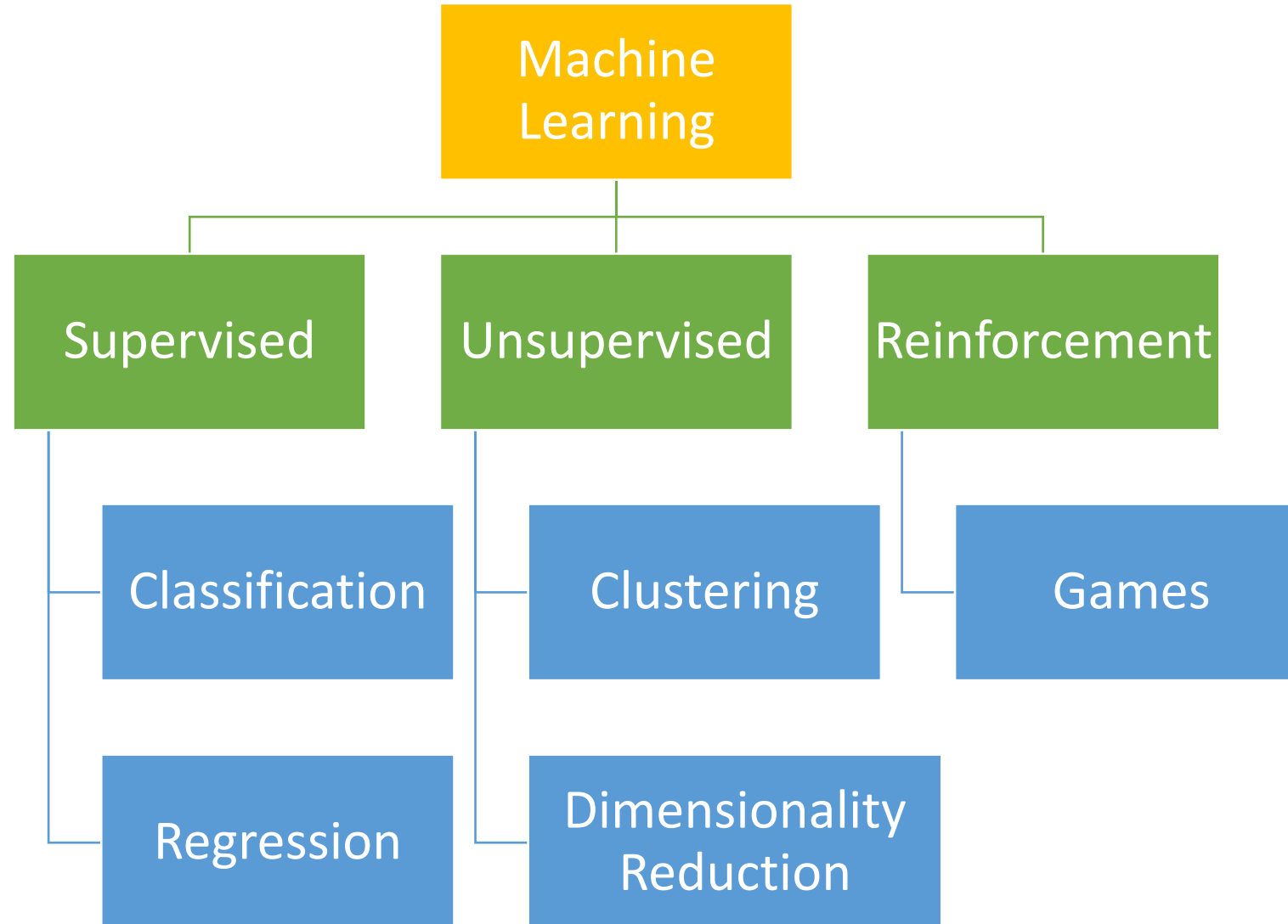


# Unsupervised Learning

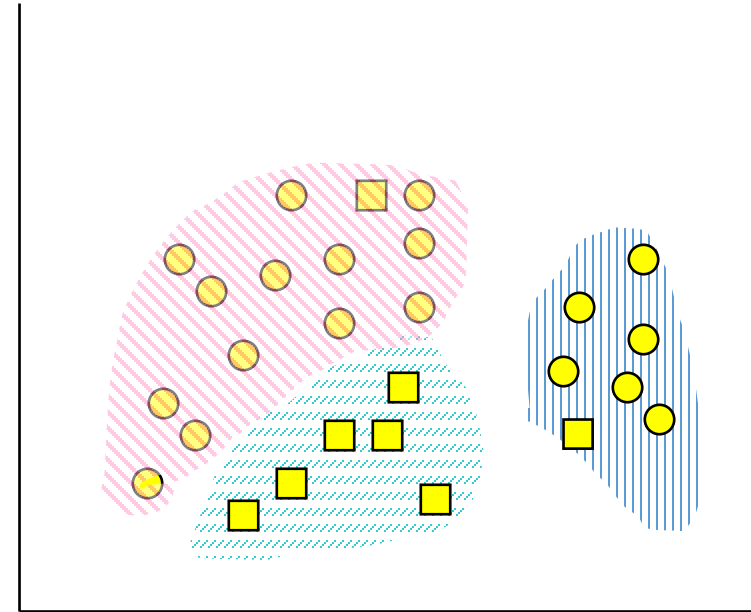
Dr. Muhammad Wasim

# Machine Learning Categories



# Clustering

- Unsupervised Learning
- Finds “natural” grouping of instances given un-labeled data

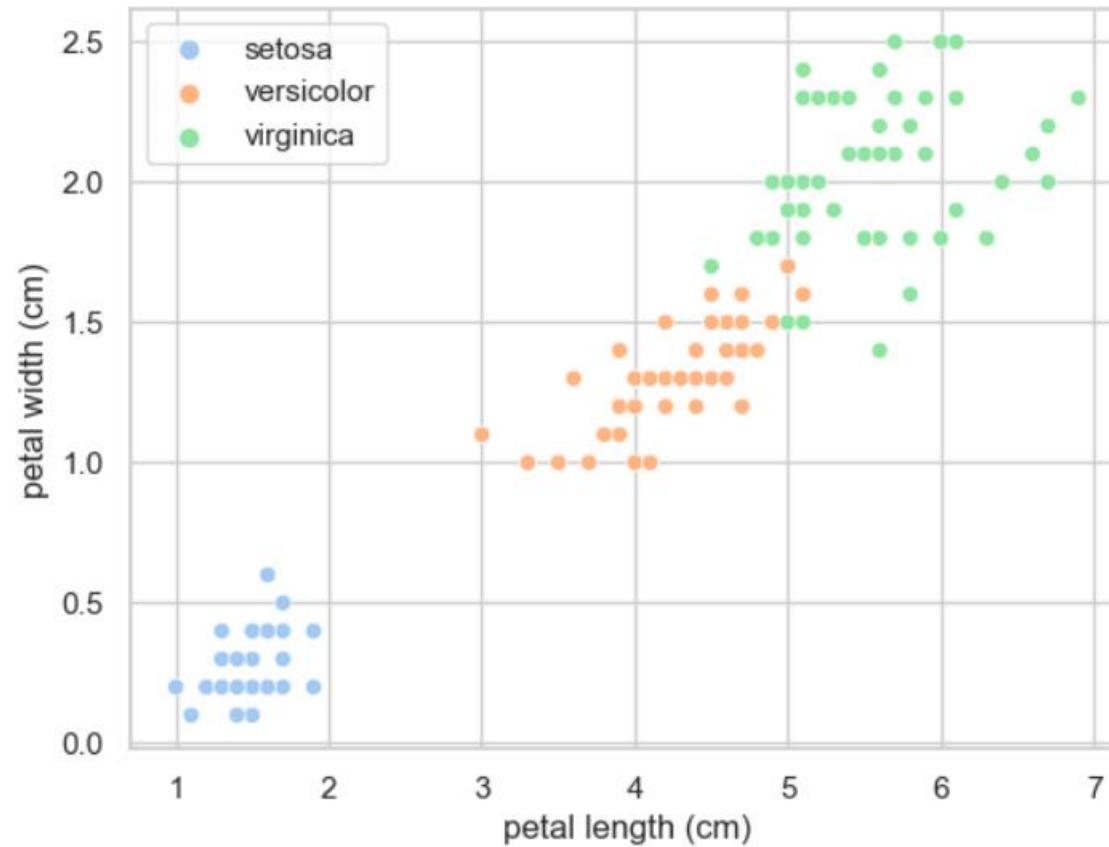


# Unsupervised Learning – Clustering

- In unsupervised learning, you do not have labeled data

Sepal Length	Sepal Width	Petal Length	Petal Width	Type
5.1	3.5	1.4	0.2	Iris setosa
4.9	3.0	1.4	0.2	Iris setosa
7.0	3.2	4.7	1.4	Iris versicolor
6.4	3.2	4.5	1.5	Iris versicolor
6.3	3.3	6.0	2.5	Iris virginica
5.8	3.3	6.0	2.5	Iris viginica

# Unsupervised Learning – Clustering



# Unsupervised Learning – Clustering

