|  |  |
| --- | --- |
| Topic/Title: **Machine Learning and Data Science - Introduction** |  |
| Keywords/Questions: | Notes​:  **Machine Learning:** Tomato, Kids teaching example    **Data Science:** Data Mining, Data analysis on data and predict. Moneyball movie. Anything that something has to be done with data. Human purchase history data  **Machine Learning Detailed:**  So, how do kids learn?  Maybe we'd have to show them lots of examples of tomatoes. Tomatoes from different angles.  Tomatoes of different sizes.  Tomatoes of different shapes.  Now we're getting close to machine learning.  It's similar to kids learning, but with machines. In the previous example of teaching kids to classify  tomatoes, we gave them lots of different examples and taught them that they are each a tomato, even if  they might look different.  When we do the same thing for our computers, it's called supervised learning. By providing labeled training  data we can slowly teach our computers what a tomato is.  And once we have a trained machine learning model that knows what a ripe tomato looks like, then we can  **Data Science:** IBM extracting specific information from data and do the data applying algorithms on that Data Mining |
| Summary​: |  |