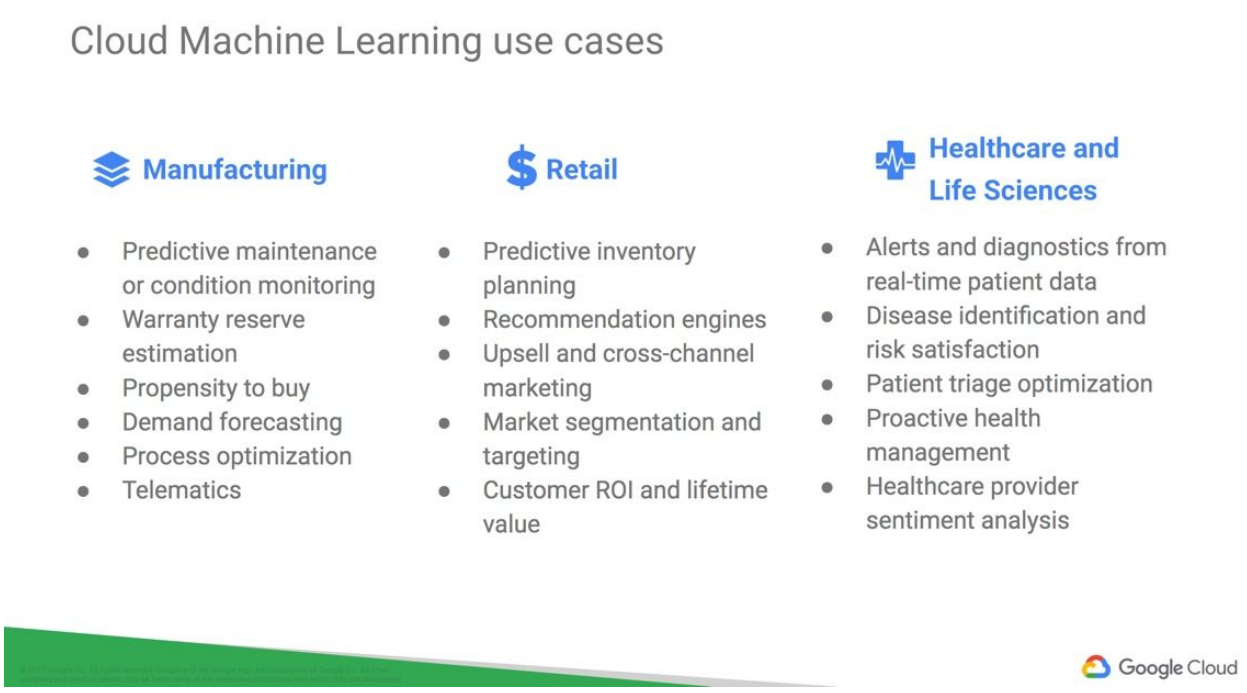
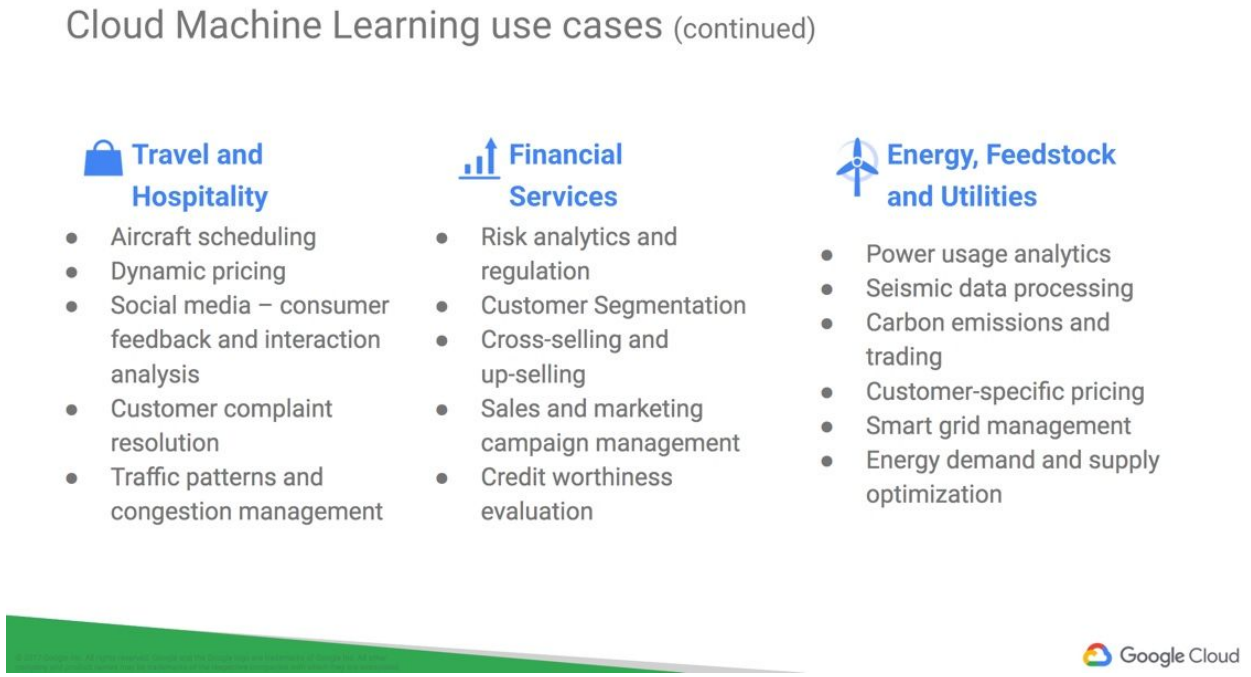
Framing an ML problem

Pick TWO use cases from the slide content presented below (e.g. aircraft scheduling, credit worthiness evaluation) and answer the following questions for each use case. Please copy the questions into your response.





Use Case 1: _____

If the use case was an ML problem....

1) What is being predicted?

2) What data is needed?

Now imagine the ML problem is a question of software:

3) What is the API for the problem during prediction?

4) Who will use this service? How are they doing it today?

Lastly, cast it in the framework of a data problem. What are some key actions to collect, analyze, predict, and react to the data/predictions (different input features might require different actions)

5) What data are we analyzing?

6) What data are we predicting?

7) What data are we reacting to?

Use Case 2: _____

If the use case was an ML problem....

1) What is being predicted?

2) What data is needed?

Now imagine the ML problem is a question of software:

3) What is the API for the problem during prediction?

4) Who will use this service? How are they doing it today?

Lastly, cast it in the framework of a data problem. What are some key actions to collect, analyze, predict, and react to the data/predictions (different input features might require different actions)

5) What data are we analyzing?

6) What data are we predicting?

7) What data are we reacting to?