Considering the following problems:

(i)   Building a system that guesses what the weather (temperature, precipitation, etc.) will be like tomorrow

(ii) Predicting products that a customer would be interested in buying, based on other purchases that customer has previously made

(iii) Skin cancer screening test

(iv) Automatically identifying the author of a given piece of literature

(v)   Finding the best burrito in the United States of America

1. Identify the "concept" we might attempt to "learn" for each problem (Task Identification)

2. For each problem-task, identify what the "instances" and "attributes" might consist of (Choosing the Data Representative)

3. For each problem-task, conjecture whether a typical strategy is likely to use "supervised" or "unsupervised" Machine Learning (Picking a Suitable Model)