



1. Consider a **binary classification** problem in a **2D** feature space. What is the shape of the **boundary** separating the 2 classes in an ideal setting?

1 / 1점

- ☒ Linear
- ☐ Parabola
- ☐ Sigmoid
- ☐ Perceptron



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Exactly! This is the simplest functional form of a boundary.

2. **Feature selection** is characterized by: (check all that apply).

1 / 1점

- ☐ Ensuring that the serving dataset is representative of future inference requests.
- ☒ Identify features that best represent the relationship.



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Good job! Feature selection identifies features with predictive power.

- ☐ Accounting for data changes over time (drift, seasonality, etc).

- ☒ Remove features that don't influence the outcome