



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.



맞습니다

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.



맞습니다

Right on track! Feature selection deals with removing nuisance variables.

- ☐ Ensuring numerical features follow the same numerical range

3. What is the definition of backward elimination?

1 / 1점

- ☐ We first start with no features. In each iteration we keep adding features which will increase the model performance until no performance improvement is observed.
- ☒ In this method we start by selecting all the features. We then remove the least significant feature based on model performance. We repeat this step until no improvement is observed in model performance.