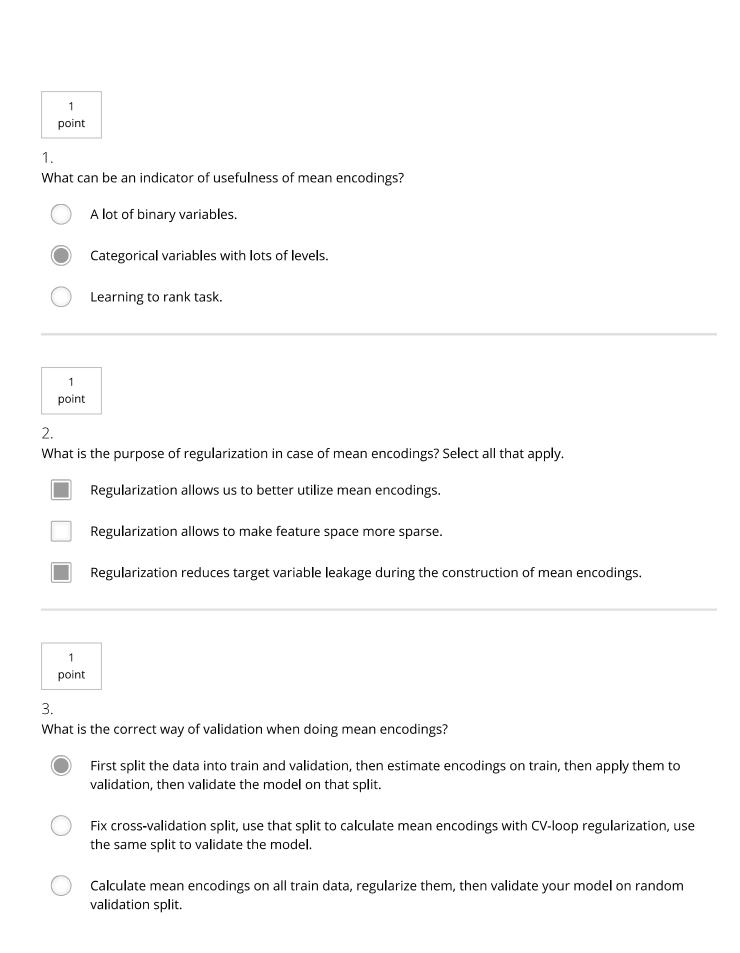
## Mean encodings

Quiz, 4 questions



Mean encodings Quiz, 4 questions  1 point
4.
Suppose we have a data frame 'df' with categorical variable 'item_id' and target variable 'target'.
We create 2 different mean encodings:
1. via df['item_id_encoded1'] = df.groupby('item_id')['target'].transform('mean')
2. via OneHotEncoding item_id, fitting Linear Regression on one hot-encoded version of item_id and then calculating 'item_id_encoded2' as a prediction from this linear regression on the same data.
Select the true statement.
item_id_encoded1' and 'item_id_encoded2' will be essentially the same only if linear regression was fitted without a regularization.
'item_id_encoded1' and 'item_id_encoded2' will be essentially the same.
'item_id_encoded1' and 'item_id_encoded2' may hugely vary due to rare categories.
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