	ur grade: 100% -(latest: 100% • Your highest: 100% • To pass you need at least 70%. We keep your highest score.	Next item →
1001	Tool regiment 200 or Too push your requisit mass i uses we exelp your nighest score.	
1.	Which scaling approach converts features to standard normal variables?	1/1 point
	MinMax scaling Nearest neighbor scaling	
	Robust scaling	
	Standard scaling	
	 Correct Correct. Standard scaling converts variables to standard normal variables. 	
2.	Which variable transformation should you use for ordinal data?	1/1 point
	One-hot encoding	
	Min-max scaling Ordinal encoding	
	○ Standard scaling	
	 Correct Correct. Use ordinal encoding if there is some order to the categorical features. 	
3.	What are polynomial features?	1/1 point
	They are lower order relationships in the data.	
	They are represented by linear relationships in the data. They are higher order relationships in the data.	
	They are logistic regression coefficients.	
	 Correct Correct. Polynomial features are estimated by higher order polynomials in a linear model, like 	
	squared, cubed, etc.	
4.	What does Boxcox transformation do?	1/1 point
	It makes the data more right skewed. It makes the data more left skewed	
	It transforms categorical variables into numerical variables.	
	It transforms the data distribution into more symmetrical bell curve	
	 Correct. Boxcox is one of the ways we can transform our skewed dataset to be more normally distributed. 	
5.	Select three important reasons why EDA is useful.	1/1 point
	To determine if the data makes sense, to determine whether further data cleaning is needed, and to	
	help identify patterns and trends in the data To examine correlations, to sample from dataframes, and to train models on random samples of data	
	 To analyze data sets, to determine the main characteristics of data sets, and to use sampling to examine data 	
	To utilize summary statistics, to create visualizations, and to identify outliers	
	Correct Correct. EDA helps us analyze data to summarize its main characteristics.	
6.	What assumption does the linear regression model make about data?	1/1 point
	This model assumes an addition of each one of the model parameters multiplied by a coefficient.	
	This model assumes a linear relationship between predictor variables and outcome variables. This model assumes that raw data in data sets is on the same scale.	
	This model assumes a transformation of each parameter to a linear relationship.	
	 Correct Correct. The linear regression model assumes a linear relationship between predictor and outcome 	
	variables.	
7.	What is skewed data?	1/1 point
	Raw data that has undergone log transformation. Raw data that may not have a linear relationship.	
	Data that has a normal distribution.	
	Data that is distorted away from normal distribution; may be positively or negatively skewed.	
	 Correct. Often raw data, both the features and the outcome variable, can be negatively or positively skewed. 	
8.	Select the two primary types of categorical feature encoding.	1/1 point
	Encoding and scaling	
	Frequency encoding and label encoding Log and polynomial transformation	
	One-hot encoding and ordinal encoding	
	 Correct Correct. Encoding that transforms non-numeric values to numeric values is often applied to 	
	categorical features.	
9.	Which scaling approach puts values between zero and one?	1/1 point
	Standard scaling Nearest neighbor scaling	
	Min-max scaling	
	Robust scaling	
	minimum values to 0 and maximum values to 1.	
10.	Which variable transformation should you use for nominal data with multiple different values within the feature?	1/1 point
	Standard scaling	
	One-hot encoding Ordinal encoding	
	Min-max scaling	