1. What is polynomial regression
2. What is R squared for linear regression
3. Compare between cost function and loss function
4. List other cost functions for linear regression
5. Work on tvmarketing.csv dataset and create notebook like you saw
6. It’s a type of regression used when the linear regression cannot be implemented because the slope is not linear.
7. R squared is a measure that tells us how the model will predict the values with comparison with the real value, high R squared mean real values and predicted values match very closely and the opposite is true.
8. Cost function is a general term that represents the overall of the model. If the cost function high that means that this model needs to be optimized more to minimize the cost, the optimization phase will include many things to change depending on the model itself.

Loss function is part of the cost function as it represents how accurate predicted values are compared to real values, lower loss means better results.

R-squared and lose function isn’t the same, R-squared represents the overall assessment of how accurate the model is unlike the lose function that tell us of far the prediction from the reality to each individual point.

1. Mean Squared Error (MSE) most common one, Mean Absolute Error (MAE), Huber Loss.
2. Already done in the files.