

[← Go Back to Machine Learning](#)

Course Content

Session Plan - Linear Regression

Learning Objectives:

- Clarity on the foundational concepts of linear regression
- Knowledge of how to build a linear regression solution for a given business problem in Python
- Insights into applications of linear regression in the real world and related perspectives

Structure of the Session:

Dur atio n	Topic	Details
5 Min	Session structure	<ul style="list-style-type: none">• Discuss the learning objectives of the session.
25 min	Concepts covered in the videos of the week	<ul style="list-style-type: none">• Use the discussion questions to gauge the level of understanding of the learners on the critical concepts of the week and identify areas to focus on• For the areas identified above, deep dive into specific concepts and drive more clarity through discussion
15 min	Hands- on case study - EDA	<ul style="list-style-type: none">• Discussion of data cleaning, key observations, and insights from the EDA section.

60 min	Hands-on case study - Modeling	<ul style="list-style-type: none">• Predict the rating of anime by considering various factors like the number of viewers, number of episodes, production studio, etc. using Linear Regression
10 min	Industry Perspective	<ul style="list-style-type: none">• Discuss practical applications, and exchange thoughts and challenges around Linear Regression.• Share your experience (examples) of some real-life use cases of how Linear Regression helped you in a project and also explain the challenges and considerations involved.
5 min	Session Summary	<ul style="list-style-type: none">• Formalize in simple bullet points, the key takeaways from the session.

Important points to note:

- In the hands-on section, **kindly do not spend more than 10-15 minutes on EDA**. It is important that the focus stays on the implementation of Linear Regression and not too much on the EDA section as it covers concepts that are similar to the ones discussed previously. We have noticed that if the plan is not followed the session exceeds the time limit.
- Be well prepared for the session, and ensure to watch all the videos, related codes, and datasets. The usefulness of the session is directly proportional to the preparedness of the participants.
- Make sure to work on the practice case study before the session.
- Log in for your session 5 minutes before and make sure you are ready with all the material to be used for the session.

Proprietary content.©Great Learning. All Rights Reserved. Unauthorized use or distribution prohibited.

© 2024 All rights reserved

[Privacy](#) [Terms of service](#) [Help](#)