William Dorling

Task 14 - Capstone Project - Linear Regression in Action

Date of Review: 06 August 2024

Course: Data Analytics & Exploration

Reviewed By: Lucille Jordaan

Student number: WD24060015099

Scores

Completeness: 4/4

Efficiency: 4/4

Style: 4/4

Documentation: 4/4

Positive aspects of the submission

Excellent submission overall, William. Keep it up! 🌟

Fantastic work on using the multiple regression model to predict sales prices! 🎉 Your approach to building the model with 'Gr_Liv_Area' and 'Garage_Area' was spot-on, demonstrating a solid understanding of feature selection and linear regression techniques. 📈 The way you interpreted the coefficients was impressive, providing clear and meaningful insights into how each variable influences the sale price. 💡 Your use of visualizations was exceptional—you effectively plotted the relationships between the variables, and the error bar plots highlighted the accuracy of your predictions, making it easy to identify areas for improvement. 🔍📊

The evaluation of your model using the mean squared error was thorough, and your explanation of the results showed a deep comprehension of the metrics involved.

Overall, this comprehensive analysis showcases your strong analytical skills and your ability to communicate complex findings clearly and effectively. Excellent job! 👏🏡 💲
Keep up the great work! 🚀

Aspects of the submission that could be improved

🔍 intercept, which is crucial for understanding the relationships between variables in regression analysis. Being able to interpret these values adds depth to your analysis and allows for meaningful insights into the data. To further enhance your interpretation skills, I recommend exploring this resource on interpreting regression coefficients and intercepts. This resource provides detailed guidance on how to interpret coefficients and intercepts in regression analysis, empowering you to derive valuable insights from your models. Keep up the excellent work!
👀Link to resource;
https://towardsdatascience.com/interpreting-coefficients-in-linear-and-logistic-regression-6ddf1295f6f1#:~:text=As%20I%20said%2C%20interpreting%20linear,other%20variables%20are%20held%20constant.%E2%80%9D

Overall feedback

This was awesome, William. I'm looking forward to the next submission! You have done fantastically here. 👍🏻🌟😊