What to consider:

* Ensure readability and clarity: Structure the data story in a logical and easy-to-follow manner. Use visualizations, charts, and graphs to support your findings and make the story more engaging. Consider the interests and expectations of the intended audience and choose a suitable format or medium for presenting the data story.
* <https://umsystem.instructure.com/courses/167567/assignments/1881851?module_item_id=6324332>
* Start with an introduction:
  + Begin your data story by providing an overview of the project scope, domain questions, and goals. Briefly explain the focus on health-related issues or lifestyle factors related to low bone mineral density or increased fracture risk and the objective of creating a machine learning algorithm to predict fracture risk based on these factors.
* Describe the data journey:
  + Explain the data acquisition and characteristics, including the use of the MrOS public study dataset. Discuss any data shaping and carpentry steps taken, such as cleaning the dataset, handling missing values, and splitting the data into train, test, and validation sets. Mention the use of techniques like SMOTE for rebalancing the dataset.
* Highlight ML modeling approaches:
  + Discuss the exploratory ML modeling carried out, including the use of various ensemble methods like Random Forests, Light GBM, and XGBoost. Mention the change in target variables from ordinal to binary to align with the scope of predicting fracture incidence.
* Emphasize feature importance analysis:
  + Explain the importance of feature importance analysis in reducing the dimensionality of the data. Describe the techniques used, such as Boruta and Recursive Feature Elimination, and mention the findings and insights gained from these analyses.
* Present model performance and evaluation:
  + Discuss the evaluation metrics used to assess the performance of the models. Include any relevant accuracy, precision, recall, or F1 scores obtained. Highlight the model's ability to predict fracture risk based on health and lifestyle factors.
* Address the big question:
  + Based on the analysis and model performance, provide a clear answer to the big question of whether the domain problem(s) were solved or the question(s) were answered. Summarize the key findings and conclusions from the project, emphasizing the insights gained and the predictive capabilities of the models.
* Conclude with recommendations:
  + Offer recommendations for future work or further analysis based on the project's findings. Discuss the potential for exploring different approaches, under sampling the minority class, or tweaking hyperparameters. Highlight the importance of ongoing model evaluation and potential retraining with all available data.