**BRAINSTORM**

1. Project Objectives and Understanding:

- Clearly define the objectives of your project. In this case, it's to predict flight prices.

- Understand the dataset: Familiarize yourself with the meaning of each feature and their potential impact on flight prices.

2. Data Preprocessing:

**- Handling Missing Values:** Check for missing data and decide how to handle it. This could involve imputation, removal of rows, or using more advanced techniques.

**- Encoding Categorical Variables:** Convert categorical variables like 'airline', 'ch\_code', and 'num\_code' into numerical format (e.g., one-hot encoding).

**- Feature Engineering**: Consider creating new features that might have predictive power. For example, you might extract additional information from the 'date' feature like day of the week, month, etc.

**- Standardization/Normalization:** Scale numerical features to a similar range to avoid any particular feature dominating the model.

3. Exploratory Data Analysis (EDA):

- Understand the distribution of the target variable ('price') and visualize relationships between features and the target.

- Explore correlations between variables. This could help identify which features are more influential in determining flight prices.

4. Model Selection:

- Given that this is a regression problem (predicting a continuous value - flight prices), consider using algorithms like Linear Regression, Random Forest Regressor, Gradient Boosting Regressor, etc.

5. Train-Test Split:

- Divide your dataset into training and testing sets. The training set is used to train the model, and the testing set is used to evaluate its performance.

6. Model Training:

- Train the selected models on the training data. Remember to perform hyperparameter tuning to improve the model's performance.

7. Model Evaluation:

- Evaluate the models on the testing data using appropriate metrics for regression tasks (e.g., Mean Absolute Error, Root Mean Squared Error, R-squared value).

8. Model Comparison:

- Compare the performance of different models to choose the best one for your specific problem.