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Trusted   Python 3 (ipykernel) ○

Code

```python
In [1]: import pandas as pd

# Load the dataset
url = "https://raw.githubusercontent.com/FlipRoboTechnologies/ML-Datasets/main/Medical%20Cost%20Insurance/medical_cost_insurance.
insurance_data = pd.read_csv(url)

# Data Understanding
print(insurance_data.info())

# Data Preprocessing
# Handle missing values (if any)
# Encode categorical variables
insurance_data = pd.get_dummies(insurance_data, columns=['sex', 'smoker', 'region'], drop_first=True)

# Exploratory Data Analysis (EDA)
import seaborn as sns
import matplotlib.pyplot as plt

sns.histplot(insurance_data['charges'], bins=20, kde=True)
plt.xlabel('Insurance Charges')
plt.ylabel('Frequency')
plt.title('Distribution of Insurance Charges')
plt.show()

# Model Building
from sklearn.model_selection import train_test_split
```