STRANGER STATS

Data Science Cheat Sheet

Inspecting Data

df.head(n)	Shows first n rows of a DataFrame
df.tail(n)	Shows last n rows
df.shape	Returns (rows, columns)
df.columns	List column names
df.dtypes	Show data types of columns

Selecting & Filtering

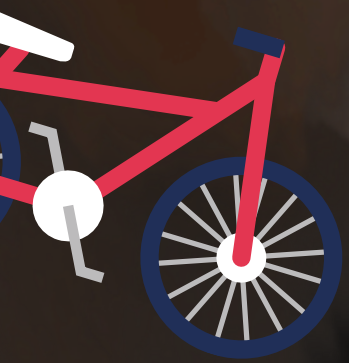
df['Column']	Access a single column
df[['Col1','Col2']]	Access multiple columns
df.loc(row_cond, col_cond)	Select r&c
df(df['Column'] > value)	Filter rows
df.sample(n)	Random sample of n rows

Important Statistics

df['Column'].sum()	Sum of values
df['Column'].mean()	Mean value
df['Column'].median()	Median value
df['Column'].mode()	Mode value
df['Column'].var()	Variance

Visualization

plt.plot(x, y)	Line
plot plt.bar(x, y)	Bar chart
plt.hist(df['Column'])	Histogram
plt.show()	Display plot



Miscellaneous

Fdf.dropna()	Drop rows with missing values
df.fillna(value)	Fill missing values
df['Column'].map(func)	Apply function to each value
round(df['Column'), 2)	Round numbers
df['Column'].dt.hour	Extract hour from datetime
df['Column'].dt.minute	Extract minute from datetime

@wicstamucc