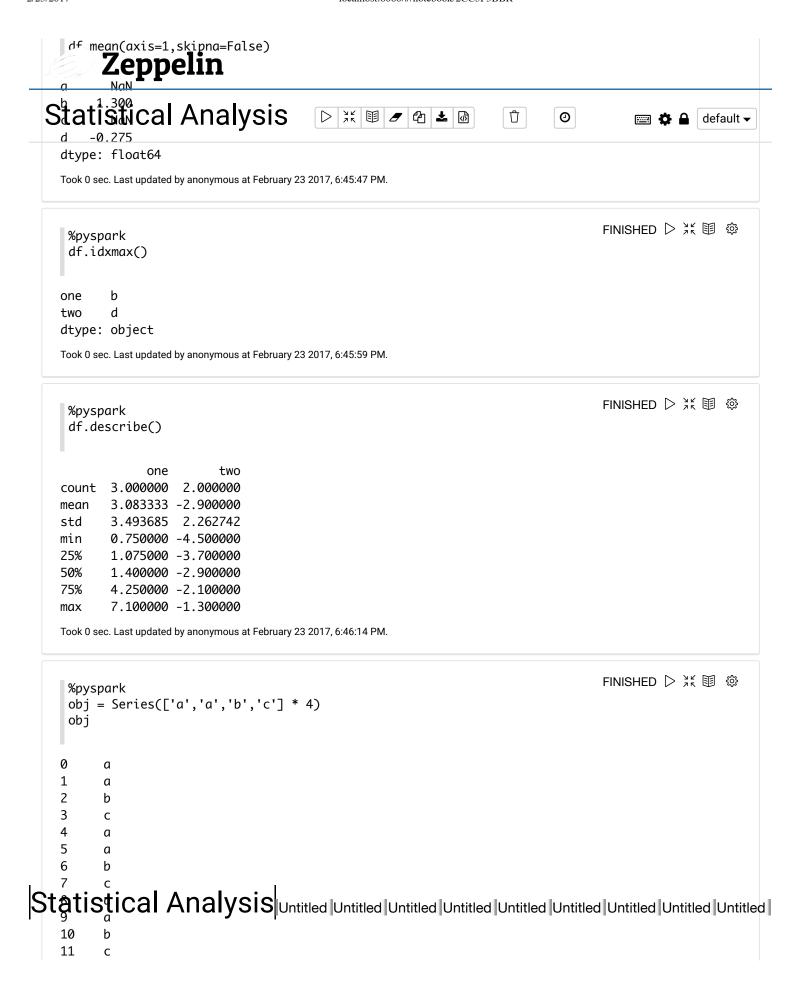
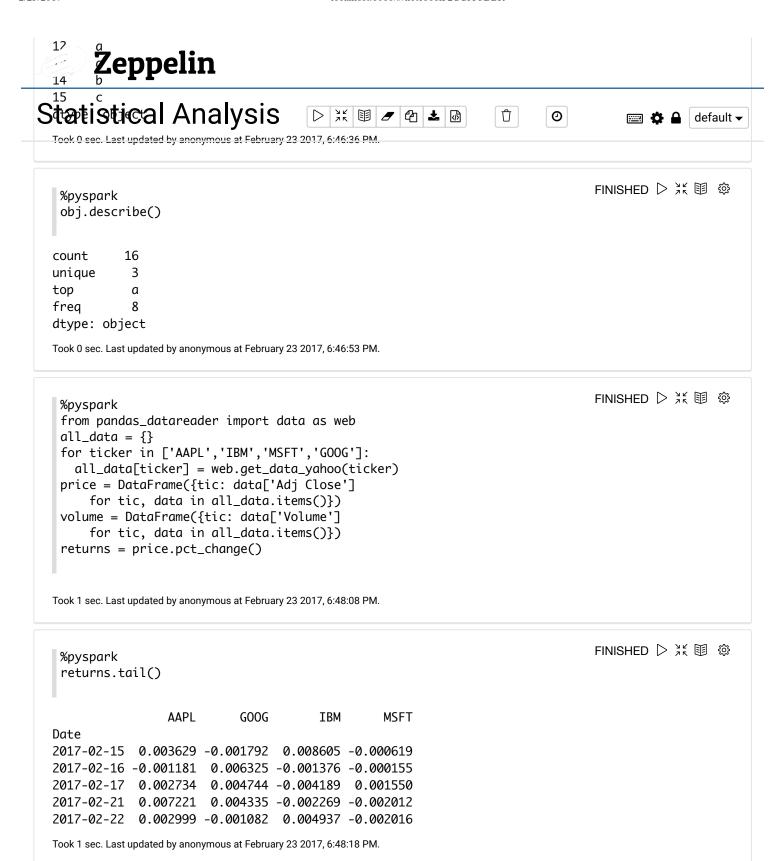


Statistical Analysis Ů Θ default **▼** FINISHED ▷ ♯ 圓 � %pyspark from pandas import Series, DataFrame import numpy as np, pandas as pd df = DataFrame([[1.4,np.nan],[7.1,-4.5],[np.nan,np.nan],[0.75,-1.3]],index=['a','b','c','d'], columns=['one','two']) Took 28 sec. Last updated by anonymous at February 23 2017, 6:20:19 PM. FINISHED ▷ ※ 圓 � %pyspark df one two 1.40 NaN 7.10 -4.5 NaN NaN 0.75 - 1.3Took 1 sec. Last updated by anonymous at February 23 2017, 6:44:45 PM. FINISHED ▷ 牂 圓 �� %pyspark df.sum() 9.25 one -5.80 two dtype: float64 Took 0 sec. Last updated by anonymous at February 23 2017, 6:45:16 PM. FINISHED ▷ ♯ 圓 墩 %pyspark df.sum(axis=1)1.40 а 2.60 0.00 -0.55 dtype: float64 Took of sect least updated by anonymous at February 23 2017, 6:45:32 PM. CATISTICAL ANALYSIS Untitled Untitled

%pyspark

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Statistical Analysis Untitled Untitled



Statistical Analysis







returns.MSFI.cov(returns.1BM)

8.5977652563835427e-05

Took 0 sec. Last updated by anonymous at February 23 2017, 6:48:42 PM.

%pyspark
returns.corr()

FINISHED ▷ 圓 ৷ ��

AAPL GOOG IBM MSFT
AAPL 1.000000 0.409541 0.381549 0.388972
GOOG 0.409541 1.000000 0.402872 0.470820
IBM 0.381549 0.402872 1.000000 0.495154
MSFT 0.388972 0.470820 0.495154 1.000000

Took 0 sec. Last updated by anonymous at February 23 2017, 6:48:58 PM.

%pyspark
returns.cov()

AAPL GOOG IBM **MSFT** 0.000270 0.000105 0.000075 AAPL 0.000093 0.000105 GOOG 0.000244 0.000075 0.000107 0.000075 IBM 0.000075 0.000144 0.000086 MSFT 0.000093 0.000107 0.000086 0.000210

Took 0 sec. Last updated by anonymous at February 23 2017, 6:51:56 PM.

%pyspark
returns.corrwith(returns.IBM)

FINISHED ▷ 💥 🗉 🕸

AAPL 0.381549 GOOG 0.402872 IBM 1.000000 MSFT 0.495154 dtype: float64

Took 0 sec. Last updated by anonymous at February 23 2017, 6:49:59 PM.

%pyspark returns.corrwith(volume) FINISHED ▷ 💥 🗐 🕸

