

Stat480_Homework 7

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The Hive scripts for exercise 1 to 4 are all in the *.hive* script submitted with this report. Please refer to that file when checking code details.

Exercise 1

The first 5 records from the *stock* table are shown below:

market	stocks	date	price_open	price_high	price_low	prive_close	volume	price_adj
NASDAQ	ABXA	2009-12-09	2.54999995	2.76999998	2.5	2.67000008	158500	2.67000008
NASDAQ	ABXA	2009-12-08	2.71000004	2.74000001	2.51999998	2.54999995	131700	2.54999995
NASDAQ	ABXA	2009-12-07	2.65000001	2.75999999	2.65000001	2.71000004	174200	2.71000004
NASDAQ	ABXA	2009-12-04	2.63000011	2.66000009	2.52999997	2.65000001	230900	2.65000001
NASDAQ	ABXA	2009-12-03	2.54999995	2.61999989	2.50999999	2.59999999	360900	2.59999999

Exercise 2

The first 5 records from the *IBM* table are shown below:

market	stocks	date	price_open	price_high	price_low	prive_close	volume	price_adj
NYSE	IBM	2010-02-08	123.150002	123.220001	121.739998	121.879997	5718500	121.879997
NYSE	IBM	2010-02-05	123.040001	123.720001	121.830002	123.519997	8617000	122.970001
NYSE	IBM	2010-02-04	125.190002	125.440002	122.900002	123	9126900	122.449997
NYSE	IBM	2010-02-03	125.160004	126.07	125.07	125.660004	4177100	125.099998
NYSE	IBM	2010-02-02	124.790001	125.809998	123.949997	125.529999	5899900	124.970001

The highest daily high price for IBM within the data set and the corresponding date are shown below:

Date	Max(price_high)
1968-04-15	649.8800048828125

The lowest daily low price for IBM within the data set and the corresponding date are shown below:

Date	Min(price_low)
1993-08-16	40.630001068115234

Exercise 3

Obtain the minimum, average, and maximum daily spreads from the view as follow:

Min	Average	Max
0	9.29882749493392	146.5

Exercise 4

For each market, the company with the largest daily price spread, the value of that company's max daily price spread, and the date on which it occurred are shown below:

market	stocksymbol	spread	spread_date
NASDAQ	INFY	146.5	2000-02-11
NYSE	GTC	67.54998779	2000-04-04