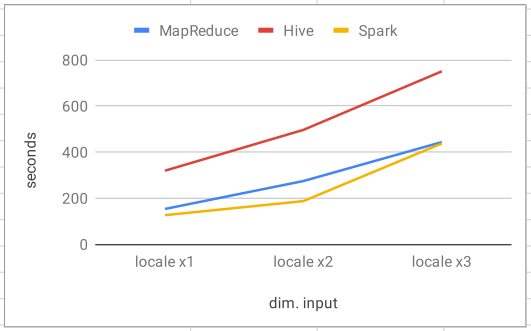
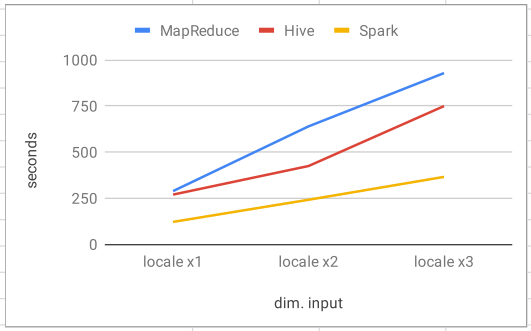
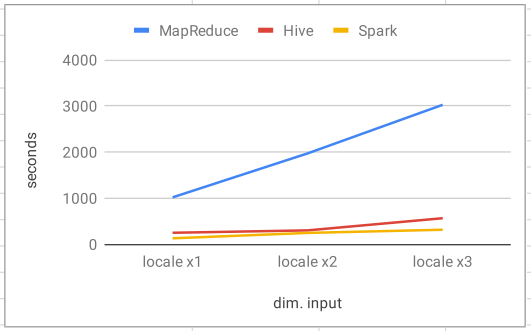
Tempi di esecuzione Job 1	MapReduce	Hive	Spark
locale x1	153	319	126
locale x2	274	496	187
locale x3	443	750	437



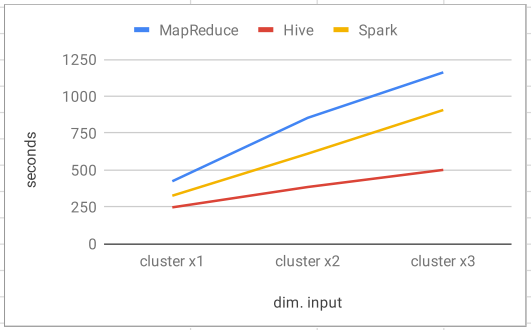
Tempi di esecuzione Job 2	MapReduce	Hive	Spark
locale x1	82+206	269	121
locale x2	252+387	424	241
locale x3	362+566	749	365



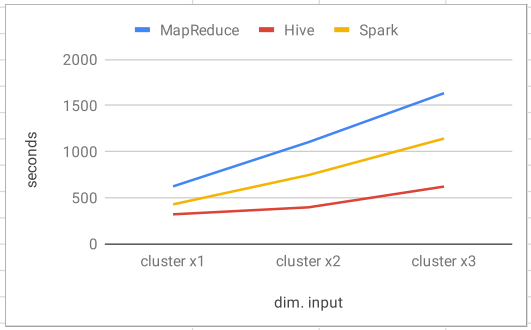
Tempi di esecuzione Job 3	MapReduce	Hive	Spark
locale x1	89+905+22	248	128
locale x2	194+1754+22	300	245
locale x3	327+2675+22	564	314



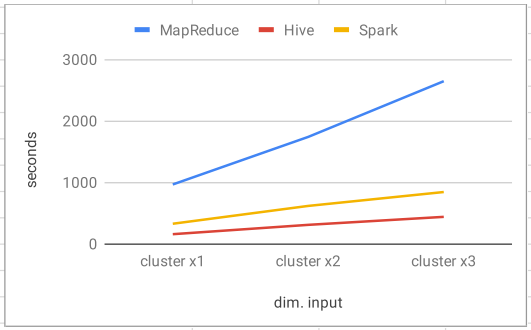
Tempi di esecuzione Job 1	MapReduce	Hive	Spark
cluster x1	423	246	325
cluster x2	853	384	610
cluster x3	1161	500	906



Tempi di esecuzione Job 2	MapReduce	Hive	Spark
cluster x1	188+433	318	426
cluster x2	321+780	394	744
cluster x3	488+1144	619	1140



Tempi di esecuzione Job 3	MapReduce	Hive	Spark
cluster x1	189+692+82	154	324
cluster x2	328+1329+80	306	614
cluster x3	451+2110+82	436	840



x1-2-3 : dimensioni input

dataset: historical_stock_prices.csv (2GB) e historical_stocks.csv (431.9KB)

AWS instances : m3.xlarge
8 vCore, 15 GiB di memoria, 80 SSD GB di storage

1 NameNode (master) and
2 DataNodes (slaves/workers)

Tutti i tempi di esecuzione comprendono anche le operazioni di I/O

Hive su AWS sfrutta Tez e non Map Reduce come in locale

					Tempi di esecuzione Job 2	MapReduce	Hive	Spark		Tempi di esecuzione Job 3	MapReduce	Hive	Spark
					locale x1	288	269	121		locale x1	1016	248	128

					locale x2	639	424	241		locale x2	1970	300	245
					locale x3	928	749	365		locale x3	3024	564	314
					Tempi di esecuzione Job 2	MapReduce	Hive	Spark		Tempi di esecuzione Job 3	MapReduce	Hive	Spark
					cluster x1	621	318	426		cluster x1	963	154	324
					cluster x2	1101	394	744		cluster x2	1737	306	614
					cluster x3	1632	619	1140		cluster x3	2643	436	840