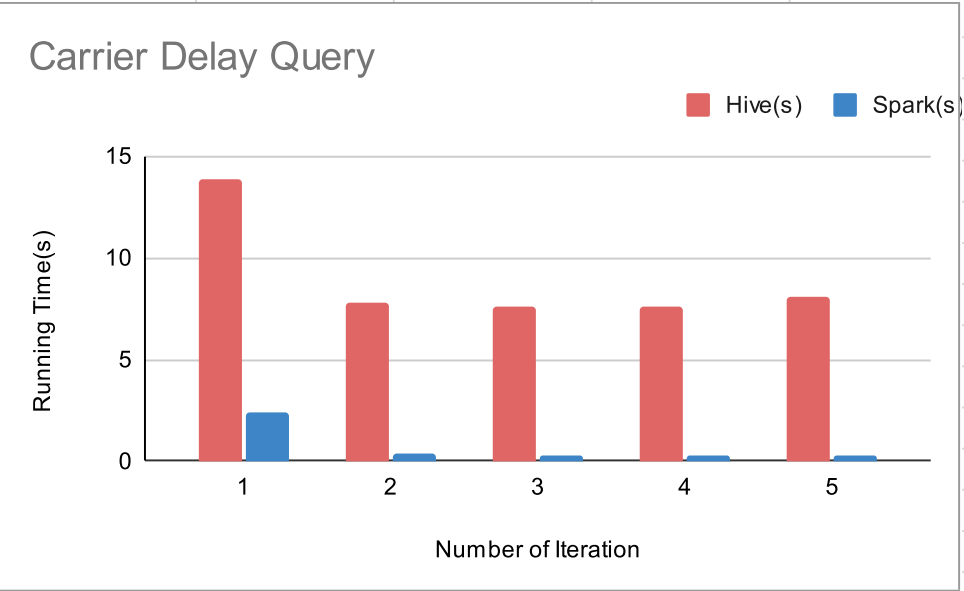
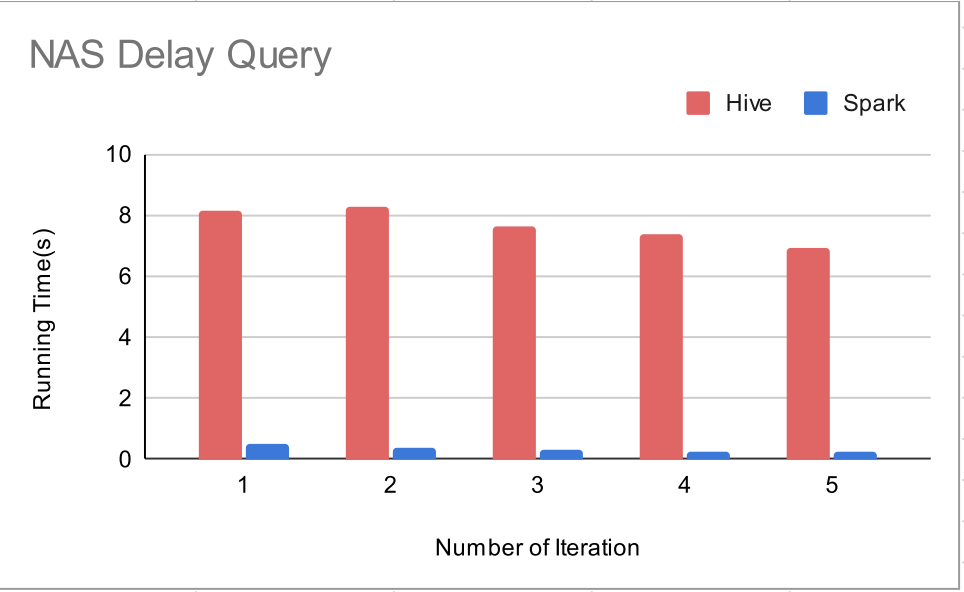


Carrier Delay Query		
Iteration	Hive(s)	Spark(s)
1	13.814	2.398
2	7.751	0.393
3	7.565	0.322
4	7.601	0.245
5	8.04	0.268

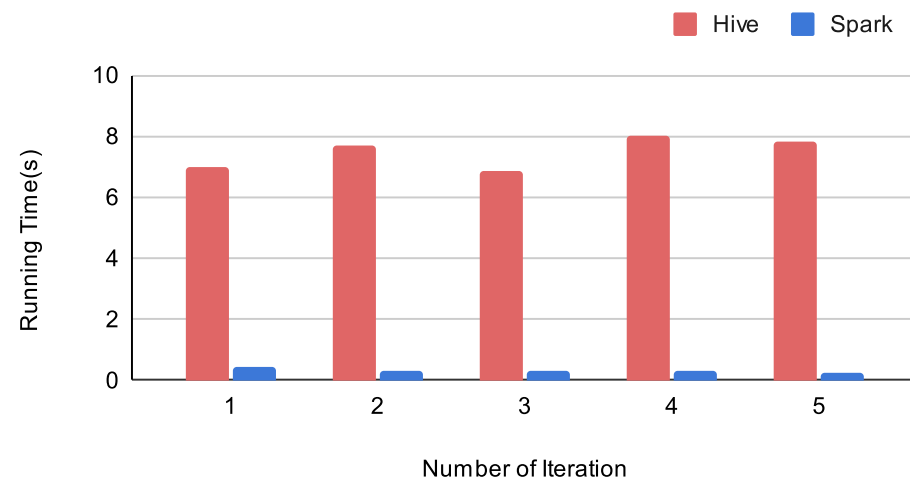


NAS Delay Query		
Iteration	Hive	Spark
1	8.144	0.526
2	8.253	0.35
3	7.623	0.338
4	7.347	0.244
5	6.929	0.229



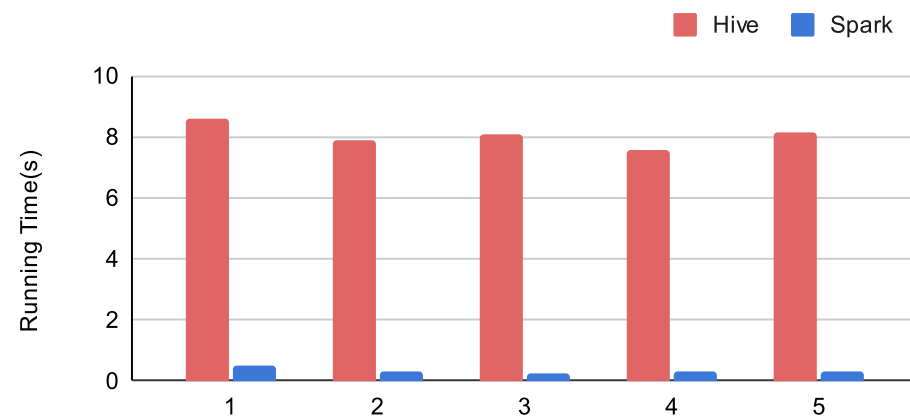
Weather Delay Query		
Iteration	Hive	Spark
1	7.005	0.435
2	7.668	0.341
3	6.865	0.305
4	8.028	0.301
5	7.82	0.281

Weather Delay Query

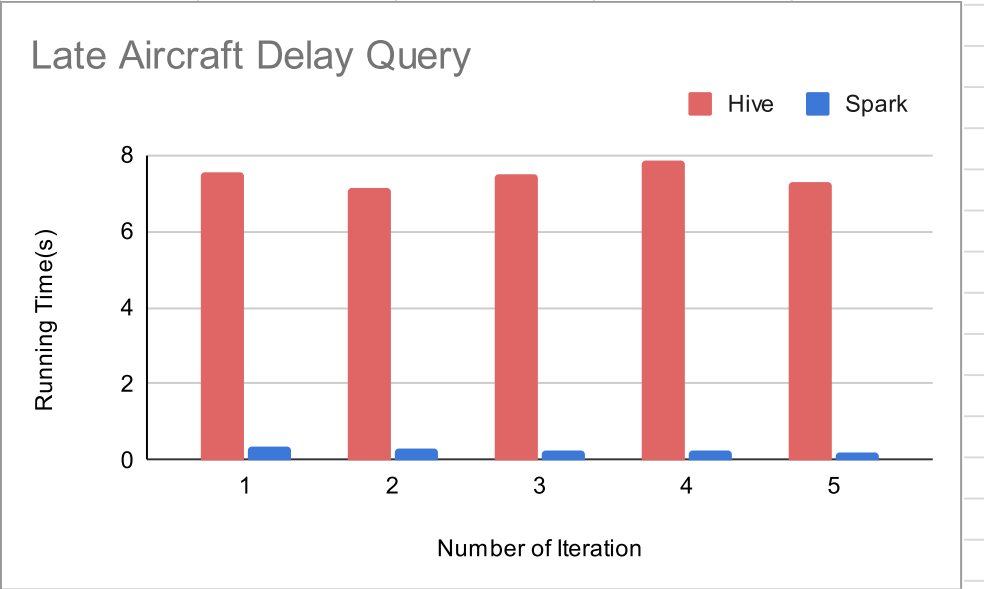


Late Aircraft Delay Query		
Iteration	Hive	Spark
1	8.616	0.498
2	7.876	0.33
3	8.056	0.256
4	7.573	0.324
5	8.155	0.324

Late Aircraft Delay Query



Security Delay Query		
Iteration	Hive	Spark
1	7.563	0.363
2	7.157	0.291
3	7.474	0.275
4	7.852	0.263
5	7.306	0.215



Average Time Taken by MapReduce and Spark for each query								
Time Taken By Query (in sec)	Hive SQL	Spark SQL						
Carrier Delay Query	8.9542	0.7252						
NAS Delay Query	7.6592	0.3374						
Weather Delay Query	7.4772	0.3326						
Late Aircraft Delay Query	8.0552	0.3464						
Security Delay Query	7.4704	0.2814						

Average time taken by Hive and Spark

