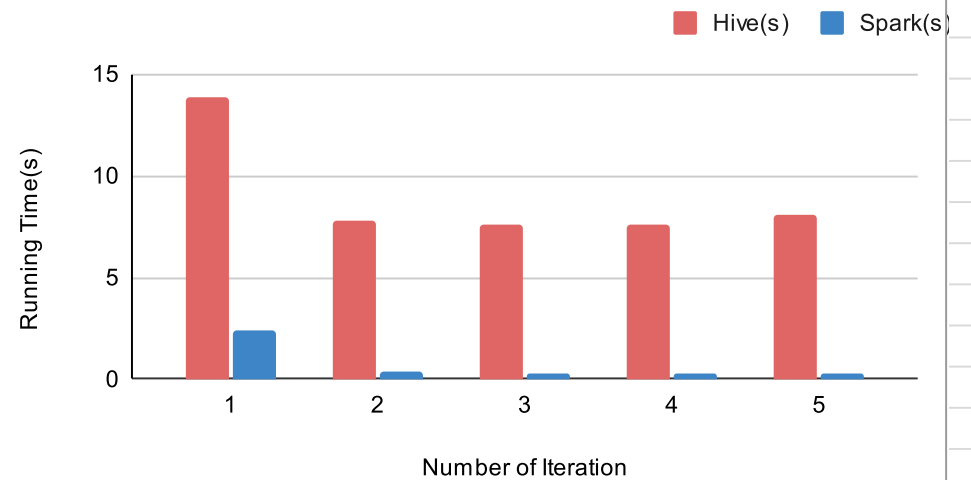


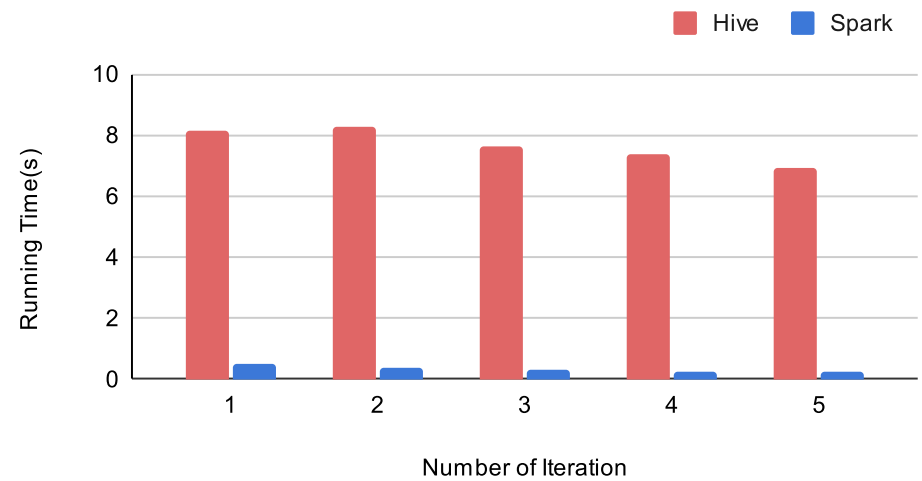
Carrier Delay Query		
Iteration	Hive(s)	Spark(s)
1	13.814	2.398
2	7.751	0.393
3	7.565	0.322
4	7.601	0.245
5	8.04	0.268

Carrier Delay Query



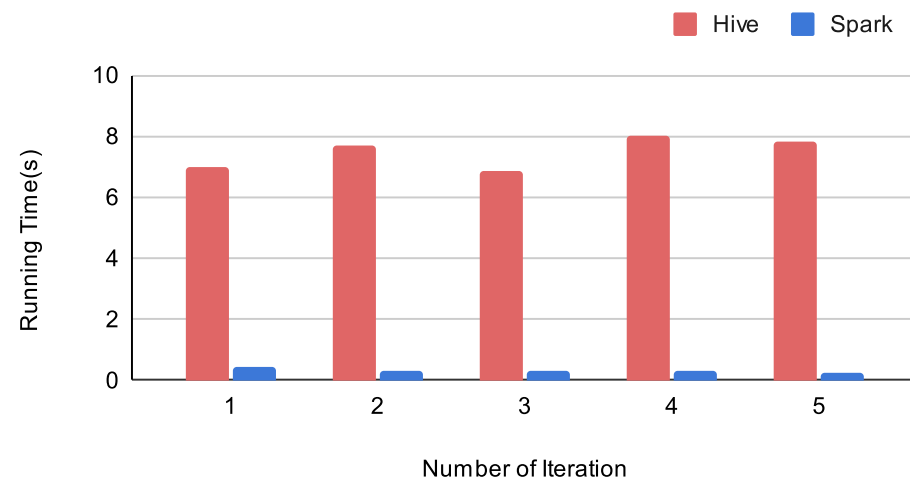
NAS Delay Query		
Iteration	Hive	Spark
1	8.144	0.526
2	8.253	0.35
3	7.623	0.338
4	7.347	0.244
5	6.929	0.229

NAS Delay Query



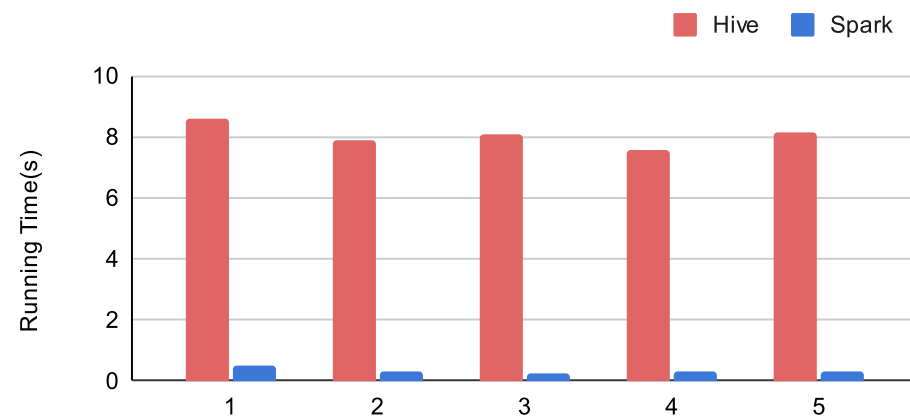
Weather Delay Query		
Iteration	Hive	Spark
1	7.005	0.435
2	7.668	0.341
3	6.865	0.305
4	8.028	0.301
5	7.82	0.281

Weather Delay Query

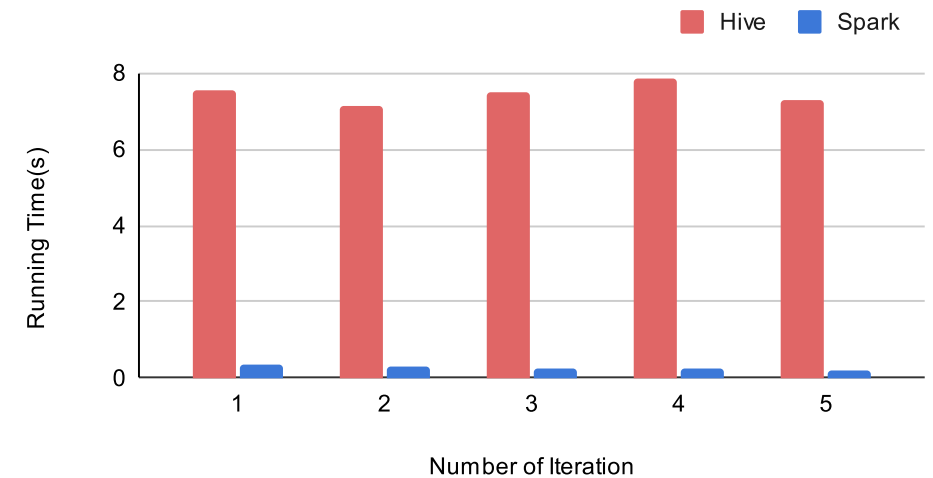


Late Aircraft Delay Query		
Iteration	Hive	Spark
1	8.616	0.498
2	7.876	0.33
3	8.056	0.256
4	7.573	0.324
5	8.155	0.324

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	9.0284	0.844				
NAS Delay Query	7.741	0.341				
Weather Delay Query	7.5166	0.2992				
Late Aircraft Delay Query	7.6802	0.2754				
Security Delay Query	7.65	0.2634				

Average time taken by Hive and Spark

