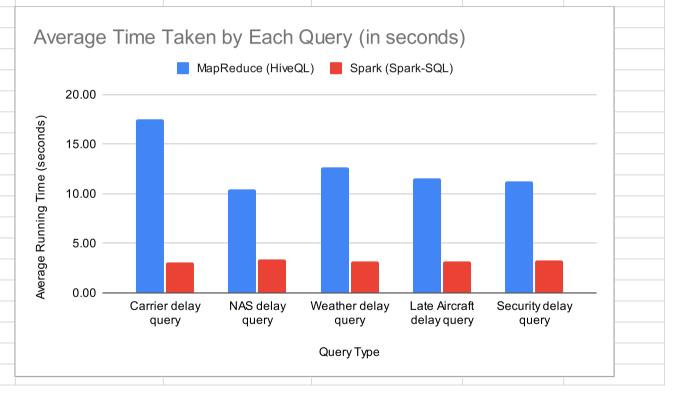
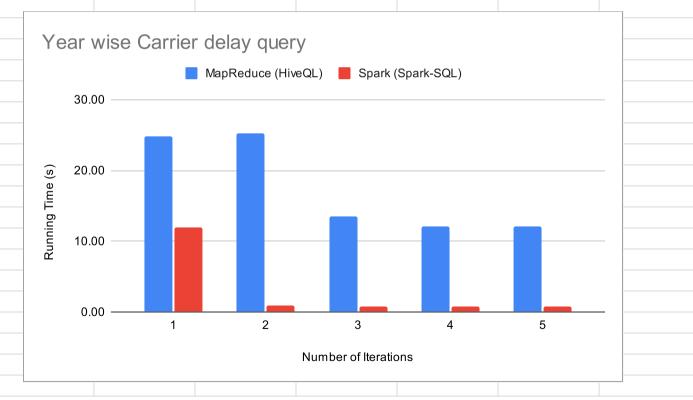
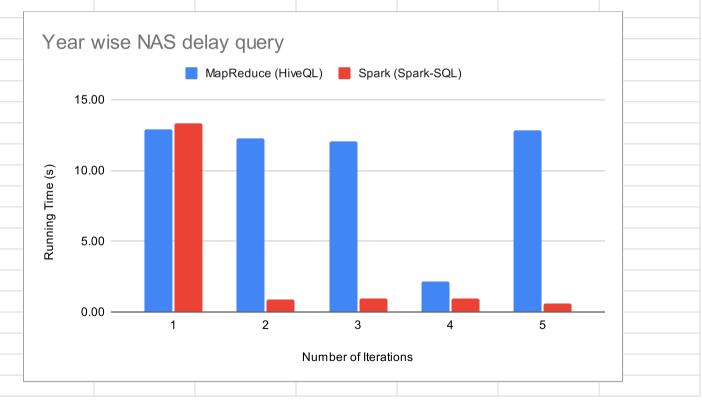
Query Type	Average Time Taken by		
	MapReduce (HiveQL)	Spark (Spark-SQL)	
Carrier delay query	17.51	3.05	
NAS delay query	10.44	3.35	
Weather delay query	12.63	3.19	
Late Aircraft delay query	11.53	3.19	
Security delay query	11.21	3.29	



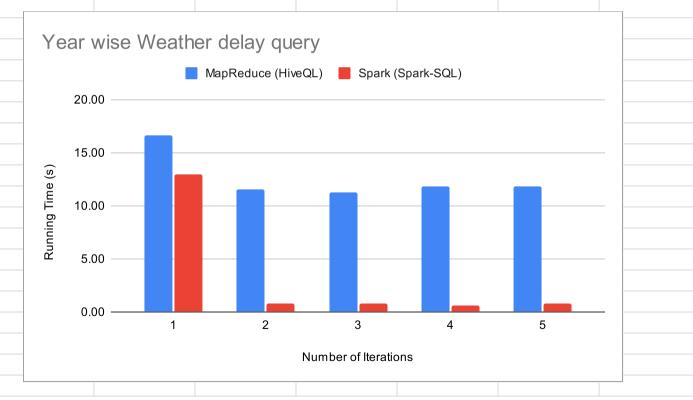
Ye	ear wise Carrier delay			
Number of		Running Time (s)		
Iterations	MapReduce (HiveQL)	Spark (Spark- SQL)		
1	24.81	12.00		
2	25.19	0.90		
3	13.44	0.82		
4	12.02	0.74		
5	12.11	0.81		



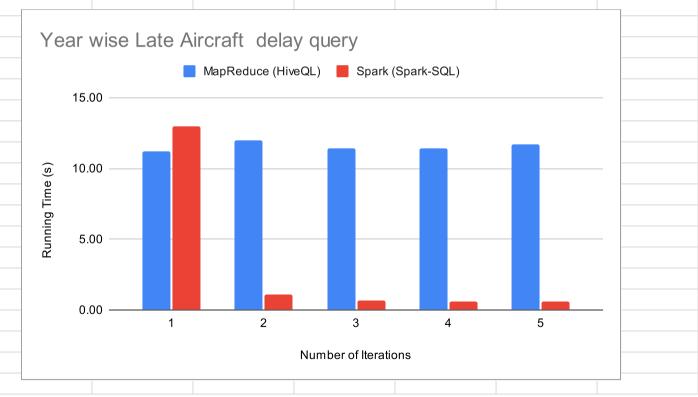
	Year wise NAS delay query				
Number		Running Time (s)			
Iteratio	iviap	Reduce veQL)	Spark (Spark- SQL)		
1	1	2.88	13.34		
2	1	2.26	0.90		
3	1	2.04	0.93		
4		2.16	0.95		
5	1	2.85	0.63		



Year v	vise Weather dela			
Number of	Running Time (s)			
Iterations	MapReduce (HiveQL)	Spark (Spark- SQL)		
1	16.59	13.00		
2	11.57	0.81		
3	11.29	0.75		
4	11.83	0.58		
5	11.85	0.79		



Year w	ise Late Aircraft de			
Number of	Running	Running Time (s)		
Iterations	MapReduce (HiveQL)	Spark (Spark- SQL)		
1	11.18	12.98		
2	11.98	1.07		
3	11.42	0.66		
4	11.41	0.60		
5	11.67	0.63		



Year v				
Number of	Running Time (s)			
Iterations	MapReduce (HiveQL)	Spark (Spark- SQL)		
1	11.38	13.88		
2	11.47	0.68		
3	11.22	0.68		
4	11.06	0.65		
5	10.90	0.54		

