

Big Data com Hive e Impala

Introdução



HiveQL

- Hive Query Language
- ♦ Semelhante a MySQL

0: jdbc:hive2://> select * from veiculos; OK								
veiculos.idveiculo	veiculos.dataaquisicao	veiculos.ano	veiculos.modelo	veiculos.placa	veiculos.status	veiculos.diaria	İ	
1	2019-01-25	2019	Tesla Model S P90D	LWJ2929	Disponivel	1800.0	i	
2	2019-01-04	2019	Volvo XC90 T8 Hybrid	LWJ2930	Disponivel	1600.0	İ	
3	2019-01-10	2019	BMW 750i xDrive	LWJ2931	Disponivel	1450.0	i	
4	2019-01-28	2019	Mercedes-Benz S65 AMG Coupe	LWJ2932	Disponivel	1950.0	İ	
5	2019-01-12	2019	Infiniti Q50S 3.7 Sedan	LWJ2933	Disponivel	2100.0	İ	
6	2019-01-30	2019	Volvo XC90 T8 Hybrid	LWJ2934	Disponivel	1600.0	i	
7	2019-01-06	2019	BMW 750i xDrive	LWJ2935	Disponivel	1450.0	İ	
8	2019-01-24	2019	Infiniti Q50S 3.7 Sedan	LWJ2936	Disponivel	2100.0	İ	
9	2019-01-27	2019	BMW 750i xDrive	LWJ2937	Disponivel	1450.0	İ	
10	2019-01-19	2019	Tesla Model S P90D	LWJ2938	Disponivel	1800.0	İ	
11	2019-01-27	2019	Infiniti Q50S 3.7 Sedan	LWJ2939	Disponivel	2100.0	İ	
12	2019-01-27	2019	BMW 750i xDrive	LWJ2940	Disponivel	1450.0	İ	
13	2019-01-21	2019	Mercedes-Benz S65 AMG Coupe	LWJ2941	Disponivel	1950.0	İ	
14	2019-01-10	2019	Infiniti Q50S 3.7 Sedan	LWJ2942	Disponivel	2100.0	İ	
15	2019-01-07	2019	Volvo XC90 T8 Hybrid	LWJ2943	Disponivel	1600.0	1	
16	2019-01-25	2019	Volvo XC90 T8 Hybrid	LWJ2944	Disponivel	1600.0	İ	
17	2019-01-22	2019	Volvo XC90 T8 Hybrid	LWJ2945	Disponivel	1600.0	İ	
18	2019-01-24	2019	BMW 750i xDrive	LWJ2946	Disponivel	1450.0	İ	
19	2019-01-16	2019	Mercedes-Benz S65 AMG Coupe	LWJ2947	Disponivel	1950.0	ĺ	
20	2019-01-30	2019	Volvo XC90 T8 Hybrid	LWJ2948	Disponivel	1600.0		
21	2019-01-04	2019	Tesla Model S P90D	LWJ2949	Disponivel	1800.0	İ	
22	2019-01-23	2019	Infiniti Q50S 3.7 Sedan	LWJ2950	Disponivel	2100.0	İ	
23	2019-01-13	2019	BMW 750i xDrive	LWJ2951	Disponivel	1450.0	1	
24	2019-01-05	2019	Volvo XC90 T8 Hybrid	LWJ2952	Disponivel	1600.0		
25	2019-01-06	2019	Mercedes-Benz S65 AMG Coupe	LWJ2953	Indisponivel	1950.0	İ	
26	2019-01-05	2019	BMW 750i xDrive	LWJ2954	Disponivel	1450.0	1	
27	2019-01-30	2019	Tesla Model S P90D	LWJ2955	Disponivel	1800.0	1	
28	2019-01-28	2019	BMW 750i xDrive	LWJ2956	Disponivel	1450.0	1	
29	2019-01-15	2019	Infiniti Q50S 3.7 Sedan	LWJ2957	Disponivel	2100.0	1	
30	2019-01-12	2019	BMW 750i xDrive	LWJ2958	Disponivel	1450.0	1	
+	+	+	+	+	+	+	++	

Select





jdbc:hive2://> select dataaquisicao, modelo, diaria from veiculos; 2019-01-25 | Tesla Model S P90D 1800.0 2019-01-04 Volvo XC90 T8 Hybrid 1600.0 2019-01-10 BMW 750i xDrive 1450.0 2019-01-28 Mercedes-Benz S65 AMG Coupe 1950.0 2019-01-12 Infiniti Q50S 3.7 Sedan 2100.0 2019-01-30 Volvo XC90 T8 Hybrid 1600.0 2019-01-06 BMW 750i xDrive 1450.0 2019-01-24 Infiniti Q50S 3.7 Sedan 2100.0 2019-01-27 BMW 750i xDrive 1450.0 2019-01-19 Tesla Model S P90D 1800.0 2019-01-27 Infiniti 050S 3.7 Sedan 2100.0 2019-01-27 BMW 750i xDrive 1450.0 2019-01-21 Mercedes-Benz S65 AMG Coupe 1950.0 2019-01-10 Infiniti Q50S 3.7 Sedan 2100.0 2019-01-07 Volvo XC90 T8 Hybrid 1600.0 2019-01-25 Volvo XC90 T8 Hybrid 1600.0 2019-01-22 Volvo XC90 T8 Hybrid 1600.0 2019-01-24 BMW 750i xDrive 1450.0 2019-01-16 Mercedes-Benz S65 AMG Coupe 1950.0 2019-01-30 Volvo XC90 T8 Hvbrid 1600.0 2019-01-04 1800.0 Tesla Model S P90D 2019-01-23 Infiniti 050S 3.7 Sedan 2100.0 2019-01-13 BMW 750i xDrive 1450.0 2019-01-05 Volvo XC90 T8 Hybrid 1600.0 2019-01-06 Mercedes-Benz S65 AMG Coupe 1950.0 2019-01-05 BMW 750i xDrive 1450.0 2019-01-30 Tesla Model S P90D 1800.0 2019-01-28 BMW 750i xDrive 1450.0 2019-01-15 Infiniti Q50S 3.7 Sedan 2100.0 2019-01-12 BMW 750i xDrive 1450.0

Especificando Colunas





Valores Únicos





Condição

0K	ct * from veiculos where st	·	vel";				
,		veiculos.ano	veiculos.modelo	,	veiculos.status		
25	2019-01-06	2019	Mercedes-Benz S65 AMG Coupe	LWJ2953	Indisponivel	1950.0	
1 row selected (0.215 seconds)							





Duas Condições

		+		.+	+	.+
veiculos.idveiculo	veiculos.dataaquisicao	veiculos.ano	veiculos.modelo	veiculos.placa	veiculos.status	veiculos.diaria
1	2019-01-25	2019	Tesla Model S P90D	LWJ2929	Disponivel	1800.0
2	2019-01-04	2019	Volvo XC90 T8 Hybrid	LWJ2930	Disponivel	1600.0
4	2019-01-28	2019	Mercedes-Benz S65 AMG Coupe	LWJ2932	Disponivel	1950.0
5	2019-01-12	2019	Infiniti Q50S 3.7 Sedan	LWJ2933	Disponivel	2100.0
6	2019-01-30	2019	Volvo XC90 T8 Hybrid	LWJ2934	Disponivel	1600.0
8	2019-01-24	2019	Infiniti Q50S 3.7 Sedan	LWJ2936	Disponivel	2100.0
10	2019-01-19	2019	Tesla Model S P90D	LWJ2938	Disponivel	1800.0
11	2019-01-27	2019	Infiniti Q50S 3.7 Sedan	LWJ2939	Disponivel	2100.0
13	2019-01-21	2019	Mercedes-Benz S65 AMG Coupe	LWJ2941	Disponivel	1950.0
14	2019-01-10	2019	Infiniti Q50S 3.7 Sedan	LWJ2942	Disponivel	2100.0
15	2019-01-07	2019	Volvo XC90 T8 Hybrid	LWJ2943	Disponivel	1600.0
16	2019-01-25	2019	Volvo XC90 T8 Hybrid	LWJ2944	Disponivel	1600.0
17	2019-01-22	2019	Volvo XC90 T8 Hybrid	LWJ2945	Disponivel	1600.0
19	2019-01-16	2019	Mercedes-Benz S65 AMG Coupe	LWJ2947	Disponivel	1950.0
20	2019-01-30	2019	Volvo XC90 T8 Hybrid	LWJ2948	Disponivel	1600.0
21	2019-01-04	2019	Tesla Model S P90D	LWJ2949	Disponivel	1800.0
22	2019-01-23	2019	Infiniti Q50S 3.7 Sedan	LWJ2950	Disponivel	2100.0
24	2019-01-05	2019	Volvo XC90 T8 Hybrid	LWJ2952	Disponivel	1600.0
27	2019-01-30	2019	Tesla Model S P90D	LWJ2955	Disponivel	1800.0
29	2019-01-15	2019	Infiniti 050S 3.7 Sedan	i LWJ2957	Disponivel	2100.0





Condição OR

0: jdbc:hive2://> select * from veiculos where modelo <> "Infiniti Q50S 3.7 Sedan" or diaria < 2000; veiculos.idveiculo veiculos.dataaguisicao veiculos.modelo veiculos.placa veiculos.status veiculos.diaria 2019-01-25 Tesla Model S P90D Disponivel 1800.0 2019-01-04 2019 Volvo XC90 T8 Hvbrid LWJ2930 Disponivel 1600.0 3 2019-01-10 2019 BMW 750i xDrive LWJ2931 Disponivel 1450.0 2019-01-28 2019 Mercedes-Benz S65 AMG Coupe LWJ2932 Disponivel 1950.0 2019 Disponivel 6 Volvo XC90 T8 Hybrid LWJ2934 1600.0 2019-01-30 7 2019-01-06 2019 BMW 750i xDrive LWJ2935 Disponivel 1450.0 2019-01-27 2019 BMW 750i xDrive LWJ2937 Disponivel 1450.0 2019 Tesla Model S P90D 1800.0 10 2019-01-19 LWJ2938 Disponivel 12 2019-01-27 2019 BMW 750i xDrive LWJ2940 Disponivel 1450.0 13 2019-01-21 2019 Mercedes-Benz S65 AMG Coupe Disponivel 1950.0 LWJ2941 15 2019-01-07 2019 Volvo XC90 T8 Hybrid LWJ2943 Disponivel 1600.0 2019 Volvo XC90 T8 Hybrid LWJ2944 Disponivel 1600.0 16 2019-01-25 17 2019-01-22 2019 Volvo XC90 T8 Hybrid LWJ2945 Disponivel 1600.0 18 2019-01-24 2019 BMW 750i xDrive LWJ2946 Disponivel 1450.0 19 2019 Disponivel 1950.0 2019-01-16 Mercedes-Benz S65 AMG Coupe LWJ2947 20 2019-01-30 2019 Volvo XC90 T8 Hybrid LWJ2948 Disponivel 1600.0 21 2019-01-04 2019 Tesla Model S P90D LWJ2949 Disponivel 1800.0 BMW 750i xDrive 23 2019 Disponivel 1450.0 2019-01-13 LWJ2951 24 2019-01-05 2019 Volvo XC90 T8 Hybrid LWJ2952 Disponivel 1600.0 25 2019-01-06 2019 Mercedes-Benz S65 AMG Coupe LWJ2953 Indisponivel 1950.0 2019-01-05 2019 BMW 750i xDrive LWJ2954 Disponivel 1450.0 27 2019-01-30 2019 Tesla Model S P90D LWJ2955 Disponivel 1800.0 2019-01-28 2019 BMW 750i xDrive LWJ2956 Disponivel 1450.0

BMW 750i xDrive

LWJ2958

2019

2019-01-12



1450.0

Disponivel