

# Start master

Activities

Firefox Web Browser

12:52 31 ديس

Spark Master at spark://

Problem loading page

192.168.0.110:8080

Spark 2.4.7

Spark Master at spark://abdullah:7077

URL: spark://abdullah:7077

Alive Workers: 1

Cores in use: 4 Total, 0 Used

Memory in use: 10.6 GB Total, 0.0 B Used

Applications: 0 Running, 0 Completed

Drivers: 0 Running, 0 Completed

Status: ALIVE

Workers (1)

Worker Id	Address	State	Cores	Memory
worker-20201231125159-192.168.0.110-37229	192.168.0.110:37229	ALIVE	4 (0 Used)	10.6 GB (0.0 B Used)

Running Applications (0)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
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Completed Applications (0)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
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## Start slave

Activities Firefox Web Browser 12:54 31 ديس

Spark Master at spark:// Problem loading page 192.168.0.110:8080

### Spark Master at spark://abdullah:7077

URL: spark://abdullah:7077  
Alive Workers: 1  
Cores in use: 4 Total, 4 Used  
Memory in use: 10.6 GB Total, 1024.0 MB Used  
Applications: 1 Running, 0 Completed  
Drivers: 0 Running, 0 Completed  
Status: ALIVE

#### Workers (1)

Worker Id	Address	State	Cores	Memory
worker-20201231125159-192.168.0.110-37229	192.168.0.110:37229	ALIVE	4 (4 Used)	10.6 GB (1024.0 MB Used)

#### Running Applications (1)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
app-20201231125317-0000	(kill) FAF	4	1024.0 MB	2020/12/31 12:53:17	abdullah	RUNNING	38 s

#### Completed Applications (0)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
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# Running jobs

Activities Firefox Web Browser 12:54 31 ديسن

Spark Master at spark:// x FAF - Spark Jobs +

192.168.0.110:4040/jobs/

spark 2.4.7 Jobs Stages Storage Environment Executors SQL FAF application UI

## Spark Jobs (?)

User: abdullah  
Total Uptime: 60 s  
Scheduling Mode: FIFO  
Active Jobs: 1  
Completed Jobs: 19

Event Timeline

### Active Jobs (1)

Job Id	Description	Submitted	Duration	Stages: Succeeded/Total	Tasks (for all stages): Succeeded/Total
19	collect at /home/abdullah/Downloads/FAF.py:142 collect at /home/abdullah/Downloads/FAF.py:142 (kill)	2020/12/31 12:53:55	19 s	2/4	354/1406 (5 running)

### Completed Jobs (19)

Job Id	Description	Submitted	Duration	Stages: Succeeded/Total	Tasks (for all stages): Succeeded/Total
18	collect at /home/abdullah/Downloads/FAF.py:142 collect at /home/abdullah/Downloads/FAF.py:142	2020/12/31 12:53:45	6 s	1/1	3/3
17	collect at /home/abdullah/Downloads/FAF.py:142 collect at /home/abdullah/Downloads/FAF.py:142	2020/12/31 12:53:45	5 s	1/1	3/3
16	collect at /home/abdullah/Downloads/FAF.py:142 collect at /home/abdullah/Downloads/FAF.py:142	2020/12/31 12:53:45	4 s	1/1	3/3
15	collect at /home/abdullah/Downloads/FAF.py:142 collect at /home/abdullah/Downloads/FAF.py:142	2020/12/31 12:53:45	3 s	1/1	3/3
14	collect at /home/abdullah/Downloads/FAF.py:142	2020/12/31 12:53:45	2 s	1/1	3/3

## Completed running with GBRegressor in 34 min

Activities Firefox Web Browser 13:29 31 ديس

Spark Master at spark:// X FAF - Spark Jobs

192.168.0.110:8080

### Spark Master at spark://abdullah:7077

URL: spark://abdullah:7077  
Alive Workers: 1  
Cores in use: 4 Total, 0 Used  
Memory in use: 10.6 GB Total, 0.0 B Used  
Applications: 0 Running, 1 Completed  
Drivers: 0 Running, 0 Completed  
Status: ALIVE

#### Workers (1)

Worker Id	Address	State	Cores	Memory
<a href="#">worker-20201231125159-192.168.0.110-37229</a>	192.168.0.110:37229	ALIVE	4 (0 Used)	10.6 GB (0.0 B Used)

#### Running Applications (0)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
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#### Completed Applications (1)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
<a href="#">app-20201231125317-0000</a>	FAF	4	1024.0 MB	2020/12/31 12:53:17	abdullah	FINISHED	34 min

Completed running with RandomForestRegressor in 34 min

Activities Firefox Web Browser 14:19 31 ديس

Spark Master at spark:// X FAF - Spark Jobs

192.168.0.110:8080

### Spark Master at spark://abdullah:7077

URL: spark://abdullah:7077  
Alive Workers: 1  
Cores in use: 4 Total, 0 Used  
Memory in use: 10.6 GB Total, 0.0 B Used  
Applications: 0 Running, 2 Completed  
Drivers: 0 Running, 0 Completed  
Status: ALIVE

#### Workers (1)

Worker Id	Address	State	Cores	Memory
worker-20201231125159-192.168.0.110-37229	192.168.0.110:37229	ALIVE	4 (0 Used)	10.6 GB (0.0 B Used)

#### Running Applications (0)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
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#### Completed Applications (2)

Application ID	Name	Cores	Memory per Executor	Submitted Time	User	State	Duration
app-20201231133542-0001	FAF	4	1024.0 MB	2020/12/31 13:35:42	abdullah	FINISHED	43 min
app-20201231125317-0000	FAF	4	1024.0 MB	2020/12/31 12:53:17	abdullah	FINISHED	34 min

## The final forecasted dataset

Activities LibreOffice Calc 14:21 31 ديس

part-00000-498ca44a-4db1-46f0-a160-4f2ca3325fa8-c000.csv - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

Liberation Sa 10 B I U A % 74 00 00

A1 fx Σ = dms\_orig

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	dms_orig	dms_dest	dms_mode	sctg2	wgt_dist	tons_2012	tons_2013	tons_2014	tons_2015	tons_2016	tons_2017	tons_2018	tons_24
2	Alaska	Alaska	Multiple Mode	Non-Metallic	81.6995	73.599	77.3065	83.6656	79.118	66.1374	66.1389	66.4541	65.6877361434215
3	Alaska	Alaska	Multiple Mode	Textiles	460.9313	0.1267	0.129	0.1294	0.125	0.1221	0.1243	0.1273	0.55734800835603
4	Alaska	Remainder of Florida	Multiple Mode	Metallic	4928.5714	0.0014	0.0014	0.0015	0.0011	0.0012	0.0012	0.0013	0.253693336573697
5	Alaska	Remainder of Minnesota	Truck	Electronic	3567.0628	0.0589	0.0582	0.0577	0.0577	0.0566	0.0576	0.0595	7.29036208856534
6	Alaska	Remainder of West Virginia	Truck	Mixed Freight	4550.9709	0.5356	0.5358	0.5416	0.5392	0.5404	0.5429	0.5513	58.9885891543017
7	Alaska	Richmond, VA CFS A	Truck	Electronic	4750	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	7.29036208856534
8	Alaska	Virginia Beach-Norfolk	Multiple Mode	Pharmaceutical	5000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.142671337098964
9	Albany-Schenectady	Albany-Schenectady	Truck	Articles	16.4259	122.9641	125.5928	129.1664	126.6029	121.9659	128.7481	133.9371	197.67430145088
10	Albany-Schenectady	Houston-The Woodlands	Truck	Other Products	1777.6511	0.1754	0.177	0.1799	0.1704	0.164	0.1643	0.1666	3.67524067310891
11	Albany-Schenectady	New Orleans-Metairie	Truck	Mixed Freight	1461.8834	0.0223	0.0223	0.0226	0.0224	0.0225	0.0226	0.023	6.36429725231329
12	Albany-Schenectady	New York-Newark, NY	Rail	Crude Petroleum	163.4082	0.757	0.8283	0.9083	0.885	0.7843	0.7785	0.9341	10.9835437612951
13	Albany-Schenectady	Remainder of California	Air (includes Alaska)	Articles	2000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.001760131578947
14	Albany-Schenectady	Remainder of Illinois	Truck	Other Products	842.7005	14.138	15.3763	17.0321	16.9677	15.8679	16.5635	17.1556	6.66522832160093
15	Albany-Schenectady	Remainder of Iowa	Truck	Other Products	1126.5544	6.948	7.1104	7.1149	7.2888	7.3905	7.4584	7.4186	22.5342293419965
16	Albany-Schenectady	Remainder of Texas	Truck	Motorized	1857.1429	0.0028	0.003	0.0032	0.0033	0.0034	0.0034	0.0036	2.90908150878237
17	Albany-Schenectady	Salt Lake City-Provo	Multiple Mode	Precision	2000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.081057313435106
18	Albany-Schenectady	Tampa-St. Petersburg	Truck	Motorized	1327.5862	0.0232	0.0245	0.0265	0.0276	0.0279	0.028	0.0302	5.32303449837383
19	Atlanta-Athens	Albany-Schenectady	Multiple Mode	Articles	1004.1152	0.0729	0.0745	0.0766	0.0751	0.0723	0.0763	0.0794	1.07944993630875
20	Atlanta-Athens	Baton Rouge, LA CFS	Truck	Machinery	595.5072	2.8668	2.7706	2.8146	2.6052	2.3905	2.5146	2.6091	7.06436396703814
21	Atlanta-Athens	Birmingham-Hoover	Truck	Pharmaceutical	229.4584	17.927	16.7363	16.9101	17.1215	16.2784	16.6293	17.3067	5.17576725488456
22	Atlanta-Athens	Chicago-Naperville, IL	Multiple Mode	Mixed Freight	723.1942	0.4158	0.4159	0.4205	0.4186	0.4195	0.4214	0.428	0.39286185018219
23	Atlanta-Athens	Columbus-Madison	Truck	Milled Grain	638.6838	36.09	36.7893	36.5217	36.954	36.4971	37.3274	37.1191	17.1369351198496
24	Atlanta-Athens	Detroit-Warren-Ann Arbor	Multiple Mode	Textiles	742.2264	0.3216	0.3275	0.3284	0.3174	0.31	0.3155	0.3232	0.315154225710237
25	Atlanta-Athens	Detroit-Warren-Ann Arbor	Truck	Base Metals	779.0789	19	19.617	19.5553	18.5864	17.6293	17.1291	17.8458	297.260910676688
26	Atlanta-Athens	Greenville-Spartanburg	Truck	Fertilizers	162.8568	3.0972	3.4126	3.2021	2.5215	2.4137	2.0995	2.2088	22.5170560796356
27	Atlanta-Athens	Greenville-Spartanburg	Truck	Pharmaceutical	166.6432	0.7105	0.6633	0.6702	0.6786	0.6452	0.6591	0.6859	5.17576725488456
28	Atlanta-Athens	Hartford-West Hartford	Multiple Mode	Pharmaceutical	1004.006	0.1997	0.1864	0.1884	0.1907	0.1813	0.1852	0.1928	0.183471469460423
29	Atlanta-Athens	Houston-The Woodlands	Truck	Articles	952.5412	4.8737	4.9779	5.1195	5.0179	4.8341	5.1029	5.3086	9.45083148343813

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Sheet 1 of 1 Default English (USA) Average: Sum: 0 100%