

Task 1 – Model Answer

Please note: this model solution represents one possible correct solution to the problem. Your output may therefore look slightly different (different column names, different flow arrangement etc.) based on your individual work style.





Output column names

1	(string)	dataset	26	(double)	bpr
2	(bigint)	esn	27	(double)	farb
3	(bigint)	unit	28	(bigint)	htbleed
4	(bigint)	flight_cycle	29	(bigint)	nf_dmd
5	(date)	datetime	30	(bigint)	pcnfr_dmd
6	(string)	operator	31	(double)	w31
7	(string)	depart_icao	32	(double)	w32
8	(string)	destination_icao	33	(string)	original_dataset
9	(double)	hpc_eff_mod	34	(string)	airport_icao
10	(double)	hpc_flow_mod	35	(double)	destination_latitude
11	(bigint)	tra	36	(double)	destination_longitude
12	(double)	t2	37	(double)	depart_latitude
13	(double)	t24	38	(double)	depart_longitude
14	(double)	t30	39	(double)	distance_between_airports_miles
15	(double)	t50	40	(string)	sn
16	(double)	p2	41	(string)	pn
17	(double)	p15	42	(string)	op
18	(double)	p30	43	(string)	part_desc
19	(double)	nf	44	(string)	kc
20	(double)	nc	45	(string)	msmts
21	(double)	epr	46	(string)	max
22	(double)	ps30	47	(string)	min
23	(double)	phi	48	(string)	desc
24	(double)	nrf	49	(string)	vstream
25	(double)	nrc	50	(int)	esn_cast
			51	(string)	rul



Tableau Output

Tableau - Book1

av_bom_manufacturing_psql+ (ge_data_combined (1))

Connection: ☒ Live ☐ Extract Filters: 0 | Add

Connections: ge_data_combined (1) Microsoft Excel

Sheets: ☐ Use Data Interpreter
Data Interpreter might be able to clean your Microsoft Excel workbook.

av_bom_manufacturing_psql
av_engine_data_aic_psql
av_engine_data_axm_psql
av_engine_data_fron_psql
av_engine_data_pgt_psql
av_esn_rul_psql
av_lkp_airport_codes_t_psql
av_manufactu...supply_chain
av_bom_manuf...cturing_psql
av_engine_da...l_prepared_1
av_engine_da...ata_axm_psql
av_engine_da...ata_fron_psql
av_engine_da...ata_pgt_psql
av_esn_rul_psql...esn_rul_psql
av_lkp_airpor...psql_prepared
av_manufactu...y_chain_psql

New Union

Union

Sort fields: Data source order

Tables in union: 4

Union	Union	Union	Union	Union
dataset	esn	unit	flight_cycle	datetime
train_FD001	999,001	1	1	11/1/2018 5:10:
train_FD001	999,001	1	2	12/1/2018 1:07:
train_FD001	999,001	1	3	12/1/2018 2:06:
train_FD001	999,001	1	4	12/1/2018 7:42:
train_FD001	999,001	1	5	12/1/2018 8:42:
train_FD001	999,001	1	6	12/1/2018 5:11:17 PM
train_FD001	999,001	1	7	12/1/2018 5:47:00 PM
train_FD001	999,001	1	8	12/1/2018 6:47:01 PM
train_FD001	999,001	1	9	12/1/2018 9:43:00 PM
train_FD001	999,001	1	10	12/1/2018 10:43:15 ...
train_FD001	999,001	1	11	13/1/2018 1:03:00 AM
train_FD001	999,001	1	12	13/1/2018 2:02:53 AM

Union dialog box:

Specific (manual) Wildcard (automatic)

Connection: ge_data_combined (1)

- av_engine_data_aic_psql
- av_engine_data_axm_psql
- av_engine_data_fron_psql
- av_engine_data_pgt_psql

Apply OK

Show aliases Show hidden fields 1,000 rows

Union	Union	Union	Union
hpc_eff_mod	hpc_flow_mod	tra	
-0.0005000	0.00020000	100	
0.0016000	-0.00030000	100	
-0.0017000	0.00010000	100	
-0.0012000	-0.00020000	100	
0.0027000	0.00010000	100	
0.0009000	-0.00040000	100	
-0.0015000	0.00020000	100	
0.0022000	0.00040000	100	
0.0040000	0.00020000	100	
0.0022000	-0.00020000	100	
-0.0002000	-0.00040000	100	
-0.0018000	-0.00040000	100	

Data Source Sheet 1 Sheet 3 Sheet 2