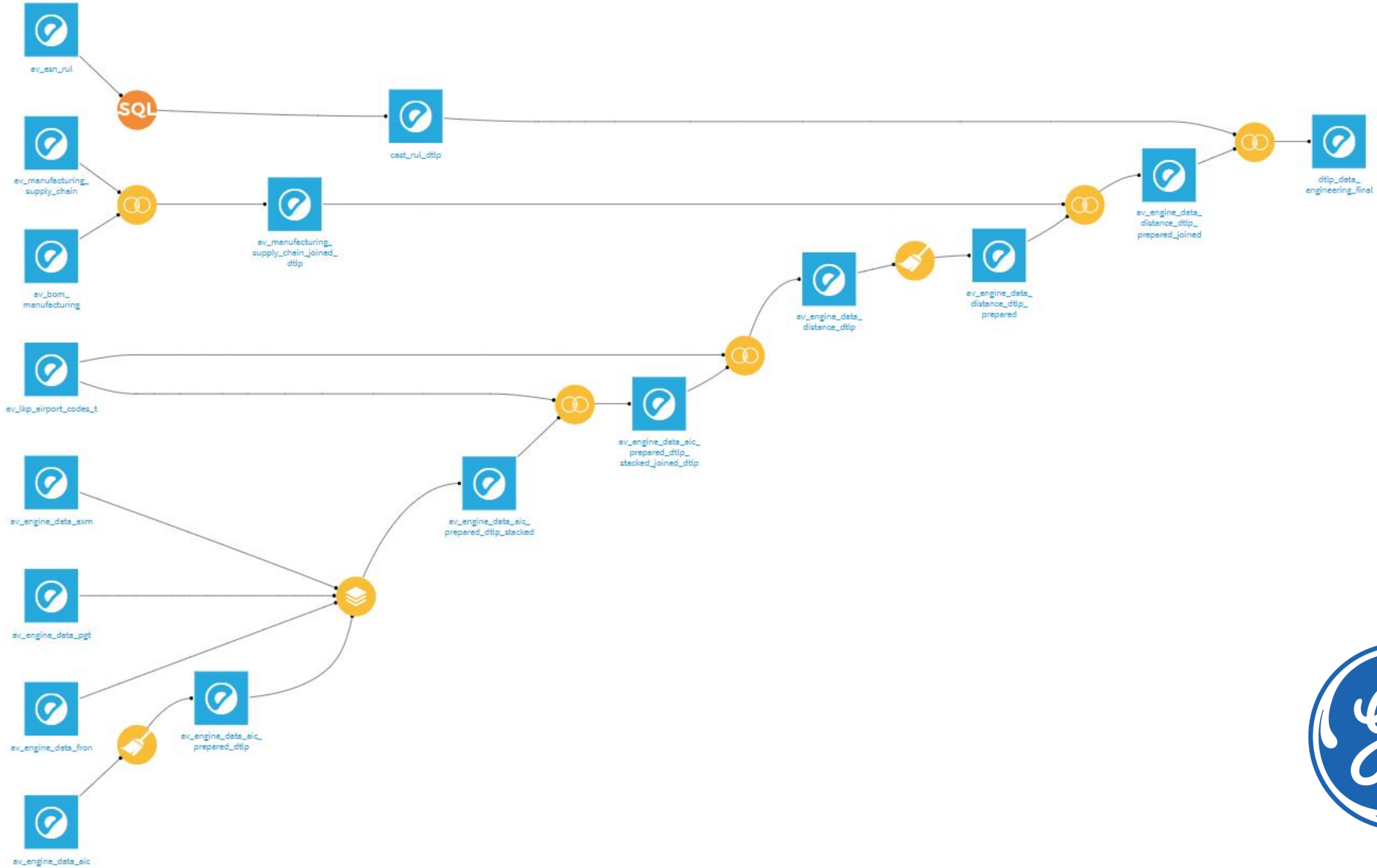
Task 1 – Model Answer

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.*


av_esn_rul
SQL
cast_rul_dtlp
av_manufacturing_
supply_chain
av_manufacturing_
supply_chain_joined_
dtlp
av_bom_
manufacturing
dtlp_data_
engineering_final
av_engine_data_
distance_dtlp_
prepared_joined
av_engine_data_
distance_dtlp_
prepared
av_engine_data_
distance_dtlp
av_lkp_airport_codes_t
av_engine_data_aic_
prepared_dtlp_
stacked_joined_dtlp
av_engine_data_aic_
prepared_dtlp_stacked
av_engine_data_axm
av_engine_data_pgt
av_engine_data_fron
av_engine_data_aic_
prepared_dtlp
av_engine_data_aic

Output column names

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