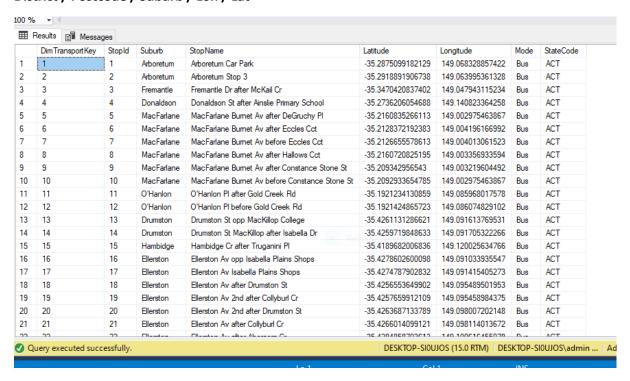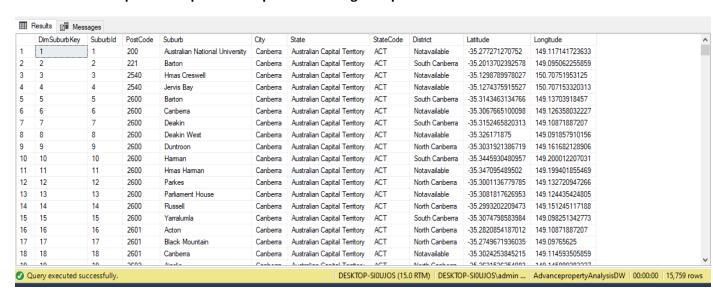# Property Analysis BI Developer- Standard Sprint - Part 2
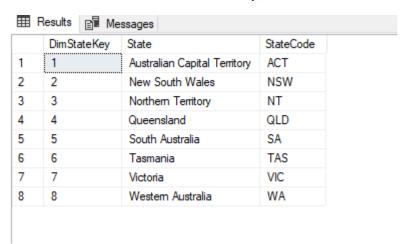
Task7: Using Suburb and City Dataset, design a Dim table - DimGeography with State / City / District / Postcode / Suburb / Lon / Lat

	DimTransportKey	StopId	Suburb	StopName	Latitude	Longitude	Mode	StateCode
1	1	1	Arboretum	Arboretum Car Park	-35.2875099182129	149.068328857422	Bus	ACT
2	2	2	Arboretum	Arboretum Stop 3	-35.2918891906738	149.063995361328	Bus	ACT
3	3	3	Fremantle	Fremantle Dr after McKail Cr	-35.3470420837402	149.047943115234	Bus	ACT
4	4	4	Donaldson	Donaldson St after Ainslie Primary School	-35.2736206054688	149.140823364258	Bus	ACT
5	5	5	MacFarlane	MacFarlane Burnet Av after DeGruchy Pl	-35.2160835266113	149.002975463867	Bus	ACT
6	6	6	MacFarlane	MacFarlane Burnet Av after Eccles Cct	-35.2128372192383	149.004196166992	Bus	ACT
7	7	7	MacFarlane	MacFarlane Burnet Av before Eccles Cct	-35.2126655578613	149.004013061523	Bus	ACT
8	8	8	MacFarlane	MacFarlane Burnet Av after Hallows Cct	-35.2160720825195	149.003356933594	Bus	ACT
9	9	9	MacFarlane	MacFarlane Burnet Av after Constance Stone St	-35.209342956543	149.003219604492	Bus	ACT
10	10	10	MacFarlane	MacFarlane Burnet Av before Constance Stone St	-35.2092933654785	149.002975463867	Bus	ACT
11	11	11	O'Hanlon	O'Hanlon Pl after Gold Creek Rd	-35.1921234130859	149.085968017578	Bus	ACT
12	12	12	O'Hanlon	O'Hanlon Pl before Gold Creek Rd	-35.1921424865723	149.086074829102	Bus	ACT
13	13	13	Drumston	Drumston St opp MacKillop College	-35.4261131286621	149.091613769531	Bus	ACT
14	14	14	Drumston	Drumston St MacKillop after Isabella Dr	-35.4259719848633	149.091705322266	Bus	ACT
15	15	15	Hambidge	Hambidge Cr after Truganini Pl	-35.4189682006836	149.120025634766	Bus	ACT
16	16	16	Ellerston	Ellerston Av opp Isabella Plains Shops	-35.4278602600098	149.091033935547	Bus	ACT
17	17	17	Ellerston	Ellerston Av Isabella Plains Shops	-35.4274787902832	149.091415405273	Bus	ACT
18	18	18	Ellerston	Ellerston Av after Drumston St	-35.4256553649902	149.095489501953	Bus	ACT
19	19	19	Ellerston	Ellerston Av 2nd after Collyburl Cr	-35.4257659912109	149.095458984375	Bus	ACT
20	20	20	Ellerston	Ellerston Av 2nd after Drumston St	-35.4263687133789	149.098007202148	Bus	ACT
21	21	21	Ellerston	Ellerston Av after Collyburl Cr	-35.4266014099121	149.098114013672	Bus	ACT

Query executed successfully. | DESKTOP-SI0UJOS (15.0 RTM) | DESKTOP-SI0UJOS\admin ... | Ad

Task8: **DimTransport: Load public transport data to StgTransport table**

	DimSuburbKey	SuburbId	PostCode	Suburb	City	State	StateCode	District	Latitude	Longitude
1	1	1	200	Australian National University	Canberra	Australian Capital Territory	ACT	Notavailable	-35.277271270752	149.117141723633
2	2	2	221	Barton	Canberra	Australian Capital Territory	ACT	South Canberra	-35.2013702392578	149.095062255859
3	3	3	2540	Hmas Creswell	Canberra	Australian Capital Territory	ACT	Notavailable	-35.1298789978027	150.70751953125
4	4	4	2540	Jervis Bay	Canberra	Australian Capital Territory	ACT	Notavailable	-35.1274375915527	150.707153320313
5	5	5	2600	Barton	Canberra	Australian Capital Territory	ACT	South Canberra	-35.3143463134766	149.13703918457
6	6	6	2600	Canberra	Canberra	Australian Capital Territory	ACT	Notavailable	-35.3067665100098	149.126358032227
7	7	7	2600	Deakin	Canberra	Australian Capital Territory	ACT	South Canberra	-35.3152465820313	149.10871887207
8	8	8	2600	Deakin West	Canberra	Australian Capital Territory	ACT	Notavailable	-35.326171875	149.091857910156
9	9	9	2600	Duntroon	Canberra	Australian Capital Territory	ACT	North Canberra	-35.3031921386719	149.161682128906
10	10	10	2600	Harman	Canberra	Australian Capital Territory	ACT	South Canberra	-35.3445930480957	149.200012207031
11	11	11	2600	Hmas Harman	Canberra	Australian Capital Territory	ACT	Notavailable	-35.347095489502	149.199401855469
12	12	12	2600	Parkes	Canberra	Australian Capital Territory	ACT	North Canberra	-35.3001136779785	149.132720947266
13	13	13	2600	Parliament House	Canberra	Australian Capital Territory	ACT	Notavailable	-35.3081817626953	149.124435424805
14	14	14	2600	Russell	Canberra	Australian Capital Territory	ACT	North Canberra	-35.2993202209473	149.151245117188
15	15	15	2600	Yarralumla	Canberra	Australian Capital Territory	ACT	South Canberra	-35.3074798583984	149.098251342773
16	16	16	2601	Acton	Canberra	Australian Capital Territory	ACT	North Canberra	-35.2820854187012	149.10871887207
17	17	17	2601	Black Mountain	Canberra	Australian Capital Territory	ACT	North Canberra	-35.2749671936035	149.09765625
18	18	18	2601	Canberra	Canberra	Australian Capital Territory	ACT	Notavailable	-35.3024253845215	149.114593505859

Query executed successfully. | DESKTOP-SI0UJOS (15.0 RTM) | DESKTOP-SI0UJOS\admin ... | AdvancepropertyAnalysisDW | 00:00:00 | 15,759 rows

Task9: Add DimState with DWStateKey,StateCode and StateName

Results Messages

	DimStateKey	State	StateCode
1	1	Australian Capital Territory	ACT
2	2	New South Wales	NSW
3	3	Northern Territory	NT
4	4	Queensland	QLD
5	5	South Australia	SA
6	6	Tasmania	TAS
7	7	Victoria	VIC
8	8	Western Australia	WA

Task10: Design DimAuLocalSchool tables for Aus local school

Results Messages

	DimSchoolKey	SchoolId	SchoolCode	SchoolAddress	Suburb	PostCode	StateCode	Latitude	Longitude
1	1	2958	7445	Blackwall & Park Rds	Woy Woy	2256	NSW	-33.4917068481445	151.328247070313
2	2	2959	7444	Prospect St	Rosehill	2142	NSW	-33.8242301940918	151.018371582031
3	3	2960	7442	Forth St	Woollahra	2025	NSW	-33.8863792419434	151.241195678711
4	4	2961	7436	Cnr Cambridge and Holt St	Stanmore	2048	NSW	-33.8955078125	151.165283203125
5	5	2962	7435	Darling St	Rozelle	2039	NSW	-33.8625793457031	151.16975402832
6	6	2963	7432	Oxford St	Paddington	2021	NSW	-33.8876037597656	151.230194091797
7	7	2964	7431	Norfolk St	NEWTOWN	2042	NSW	-33.8999900817871	151.179397583008
8	8	2965	7430	27 Belmont Rd	Mosman	2088	NSW	-33.828052520752	151.241195678711
9	9	2966	7427	Storey St	Maroubra	2035	NSW	-33.9360733032227	151.23664855957
10	10	2967	7424	Railway Street	Liverpool	2170	NSW	-33.9235725402832	150.925918579102
11	11	2968	7423	Marion St	Leichhardt	2040	NSW	-33.8842697143555	151.158142089844
12	12	2969	7422	Lang St	Kurri Kurri	2327	NSW	-32.8210983276367	151.478149414063
13	13	2970	7420	Tudor St	HAMILTON	2303	NSW	-32.9241409301758	151.743316650391
14	14	2971	7419	Derwent St	Glebe	2037	NSW	-33.8836860656738	151.190963745117
15	15	2972	7418	420-422 Gardeners Road	Rosebery	2018	NSW	-33.9206428527832	151.198028564453
16	16	2973	7416	Rowe St	Eastwood	2122	NSW	-33.7927436828613	151.078475952148
17	17	2974	7414	Womerah Ave	Potts Point	2011	NSW	-33.8785972595215	151.223434448242
18	18	2975	7413	Joffre Cres	Daceyville	2032	NSW	-33.9295463562012	151.227981567383
19	19	2976	7412	Georges River Rd	Croydon Park	2133	NSW	-33.8946952819824	151.1083984375
20	20	2977	7411	39 Young St	Croydon	2132	NSW	-33.8797912597656	151.114883422852
21	21	2978	7409	5 Centennial Ave	Chatswood	2067	NSW	-33.7982406616211	151.177597045898
22	22	2979	7408	590 Bourke St	Surry Hills	2010	NSW	-33.8905334473656	151.215744018555

Task11:**Design FactCrimeByYear**

	FactCrimeKey	DimCrimeKey	DimSuburbKey	RecordedIncidents	Year
1	1	1	16	3	2016
2	2	2	16	17	2016
3	3	3	16	17	2016
4	4	4	16	14	2016
5	5	5	16	14	2016
6	6	6	16	3	2016
7	7	7	16	3	2016
8	8	8	16	12	2016
9	9	9	16	12	2016
10	10	10	132	3	2016
11	11	11	16	3	2016
12	12	12	16	5	2016
13	13	13	16	5	2016
14	14	14	16	9	2016
15	15	15	16	9	2016
16	16	16	16	104	2016
17	17	17	19	1	2016
18	18	18	19	5	2016
19	19	19	19	28	2016
20	20	20	16	104	2016
21	21	21	16	108	2016
22	22	22	16	54	2016

Task12:Design FactSuburbRentalMedian

	FactRentalMediankey	DimRentalMedianKey	DimSuburbKey	RentalMedianPrice
1	1	1	201	658
2	2	2	201	930
3	3	3	201	1250
4	4	4	147	658
5	5	4	202	658
6	6	5	147	930
7	7	5	202	930
8	8	6	147	1250
9	9	6	202	1250
10	10	7	203	658
11	11	8	203	930
12	12	9	203	1250
13	13	10	13	658
14	14	10	204	658
15	15	10	8415	658
16	16	11	13	930
17	17	11	204	930
18	18	11	8415	930
19	19	12	13	1250
20	20	12	204	1250
21	21	12	8415	1250
22	22	12	127	562.5

Query executed successfully.

Task12: Design FactSuburbRentalMedian

Task13: Design Fact table - FactMedianPropertyValueByYear

Data Warehouse Model