

Real									
	workclass	occupation	race	sex	`marital.status`	income	relationship	capital	count
320	Federal-gov	Exec-managerial	White	Female	Married-spouse-absent	>50K	Not-in-family	10520	1
2147	Private	Prof-specialty	Amer-Indian-Eskimo	Female	Divorced	<=50K	Unmarried	0	1
3741	State-gov	Protective-serv	Amer-Indian-Eskimo	Male	Married-civ-spouse	<=50K	Husband	0	3
2935	Self-emp-inc	Sales	White	Female	Widowed	<=50K	Not-in-family	0	5
542	Federal-gov	Transport-moving	Black	Male	Married-civ-spouse	>50K	Husband	0	4

Synthetic									
	workclass	occupation	race	sex	`marital.status`	income	relationship	capital	count
320	Federal-gov	Exec-managerial	White	Female	Married-spouse-absent	>50K	Not-in-family	nan	nan
2147	Private	Prof-specialty	Amer-Indian-Eskimo	Female	Divorced	<=50K	Unmarried	nan	nan
3741	State-gov	Protective-serv	Amer-Indian-Eskimo	Male	Married-civ-spouse	<=50K	Husband	80.809213	1.000000
2935	Self-emp-inc	Sales	White	Female	Widowed	<=50K	Not-in-family	-315.136364	8.000000
542	Federal-gov	Transport-moving	Black	Male	Married-civ-spouse	>50K	Husband	nan	nan

SQL for Real:
SELECT workclass,occupation,race,sex,`marital.status`,income,relationship,MIN(capital), COUNT(*) FROM C1 GROUP BY workclass,occupation,race,sex,`marital.status`,income,relationship
Resulted in 3839 records

SQL for Synthetic:
SELECT workclass,occupation,race,sex,`marital.status`,income,relationship,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY workclass,occupation,race,sex,`marital.status`,income,relationship
Resulted in 3486 records

Normalized Euclidean distance for (capital): 47.72
Hellinger Distance: 0.237

=====

Real										
	sex	race	relationship	workclass	occupation	`native.country`	income	`marital.status`	age	count
2922	Female	White	Own-child	Private	Prof-specialty	Guatemala	>50K	Divorced	nan	nan
255	Female	Asian-Pac-Islander	Unmarried	State-gov	Other-service	United-States	<=50K	Never-married	nan	nan
3493	Female	White	Unmarried	Private	Machine-op-inspct	United-States	<=50K	Never-married	45.000000	20.000000
3019	Female	White	Own-child	Private	Transport-moving	Puerto-Rico	<=50K	Never-married	nan	nan
2672	Female	White	Own-child	Local-gov	Adm-clerical	United-States	<=50K	Widowed	nan	nan

Synthetic										
	sex	race	relationship	workclass	occupation	`native.country`	income	`marital.status`	age	count
2922	Female	White	Own-child	Private	Prof-specialty	Guatemala	>50K	Divorced	33	1
255	Female	Asian-Pac-Islander	Unmarried	State-gov	Other-service	United-States	<=50K	Never-married	41	1
3493	Female	White	Unmarried	Private	Machine-op-inspct	United-States	<=50K	Never-married	59	16
3019	Female	White	Own-child	Private	Transport-moving	Puerto-Rico	<=50K	Never-married	18	1
2672	Female	White	Own-child	Local-gov	Adm-clerical	United-States	<=50K	Widowed	56	2

SQL for Real:
SELECT sex,race,relationship,workclass,occupation,`native.country`,income,`marital.status`,MAX(age), COUNT(*) FROM C1 GROUP BY sex,race,relationship,workclass,occupation,`native.country`,income,`marital.status`
Resulted in 6492 records

SQL for Synthetic:
SELECT sex,race,relationship,workclass,occupation,`native.country`,income,`marital.status`,MAX(age), COUNT(*) FROM C1_syn_06 GROUP BY sex,race,relationship,workclass,occupation,`native.country`,income,`marital.status`
Resulted in 8900 records

Normalized Euclidean distance for (age): 49.69
Hellinger Distance: 0.502

=====

Real			
	income	capital	count
1	>50K	-3683	11687
0	<=50K	-4356	37155

Synthetic			
	income	capital	count
1	>50K	-439.660050	4762.000000
0	<=50K	-421.663504	44080.000000

SQL for Real:
SELECT income,MIN(capital), COUNT(*) FROM C1 GROUP BY income
Resulted in 2 records

SQL for Synthetic:
SELECT income,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY income
Resulted in 2 records

Normalized Euclidean distance for (capital): 1.41
Hellinger Distance: 0.137

=====

Real						
	race	education	workclass	occupation	`hours.per.week`	count
544	Black	5th-6th	Private	Machine-op-inspct	208	5
1319	White	9th	Self-emp-not-inc	Prof-specialty	35	1
152	Amer-Indian-Eskimo	Some-college	Local-gov	Exec-managerial	202	5
690	Black	Bachelors	Private	Tech-support	647	16
1595	White	HS-grad	Self-emp-inc	Craft-repair	3226	69

Synthetic						
	race	education	workclass	occupation	`hours.per.week`	count
544	Black	5th-6th	Private	Machine-op-inspct	400.012602	10.000000
1319	White	9th	Self-emp-not-inc	Prof-specialty	39.076040	1.000000
152	Amer-Indian-Eskimo	Some-college	Local-gov	Exec-managerial	40.027960	1.000000
690	Black	Bachelors	Private	Tech-support	679.915977	17.000000
1595	White	HS-grad	Self-emp-inc	Craft-repair	2625.662088	65.000000

SQL for Real:
SELECT race,education,workclass,occupation,SUM(` hours.per.week`), COUNT(*) FROM C1 GROUP BY race,education,workclass,occupation
Resulted in 1814 records

SQL for Synthetic:
SELECT race,education,workclass,occupation,SUM(` hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY race,education,workclass,occupation
Resulted in 1746 records

Normalized Euclidean distance for (` hours.per.week`): 36.37

Hellinger Distance: 0.123

=====

Real				
	sex	age	count	
1	Male	90	32650	
0	Female	90	16192	

Synthetic				
	sex	age	count	
1	Male	90.000000	31728.000000	
0	Female	90.000000	17114.000000	

SQL for Real:
SELECT sex,MAX(age), COUNT(*) FROM C1 GROUP BY sex
Resulted in 2 records

SQL for Synthetic:
SELECT sex,MAX(age), COUNT(*) FROM C1_syn_06 GROUP BY sex
Resulted in 2 records

Normalized Euclidean distance for (age): 0.0

Hellinger Distance: 0.014

=====

Real				
	income	occupation	age	count
21	>50K	Handlers-cleaners	70	138
10	<=50K	Prof-specialty	90	3388
7	<=50K	Machine-op-inspct	90	2650
2	<=50K	Armed-Forces	39	10
23	>50K	Other-service	77	204

Synthetic				
	income	occupation	age	count
21	>50K	Handlers-cleaners	72.000000	56.000000
10	<=50K	Prof-specialty	90.000000	4931.000000
7	<=50K	Machine-op-inspct	90.000000	2944.000000
2	<=50K	Armed-Forces	52.000000	114.000000
23	>50K	Other-service	70.000000	64.000000

SQL for Real:
SELECT income,occupation,MAX(age), COUNT(*) FROM C1 GROUP BY income,occupation
Resulted in 30 records

SQL for Synthetic:
SELECT income,occupation,MAX(age), COUNT(*) FROM C1_syn_06 GROUP BY income,occupation
Resulted in 30 records

Normalized Euclidean distance for (age): 5.48

Hellinger Distance: 0.146

=====

Real					
	occupation	income	education	`hours.per.week`	count
281	Prof-specialty	>50K	HS-grad	42.397727	88
279	Prof-specialty	>50K	Bachelors	43.680540	889
168	Handlers-cleaners	<=50K	HS-grad	39.068886	871
1	?	<=50K	11th	30.374302	179
188	Machine-op-inspct	<=50K	9th	39.826531	98

Synthetic					
	occupation	income	education	`hours.per.week`	count
281	Prof-specialty	>50K	HS-grad	40.097297	35.000000
279	Prof-specialty	>50K	Bachelors	40.106597	368.000000
168	Handlers-cleaners	<=50K	HS-grad	39.932715	1016.000000
1	?	<=50K	11th	39.583715	156.000000
188	Machine-op-inspct	<=50K	9th	40.007418	84.000000

SQL for Real:

SELECT occupation,income,education,AVG(`hours.per.week`), COUNT(*) FROM C1 GROUP BY occupation,income,education

Resulted in 391 records

SQL for Synthetic:

SELECT occupation,income,education,AVG(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY occupation,income,education

Resulted in 379 records

Normalized Euclidean distance for (`hours.per.week`): 18.71

Hellinger Distance: 0.16

=====

Real									
	occupation	workclass	race	education	`native.country`	sex	`marital.status`	capital	count
573	?	?	White	Masters	?	Female	Divorced	0.000000	1.000000
12428	Transport-moving	Private	White	9th	?	Male	Married-civ-spouse	nan	nan
8020	Other-service	Self-emp-not-inc	White	10th	United-States	Female	Divorced	0.000000	1.000000
3029	Craft-repair	Private	White	HS-grad	United-States	Female	Separated	0.000000	7.000000
712	?	Private	White	Bachelors	Puerto-Rico	Male	Married-civ-spouse	nan	nan

Synthetic									
	occupation	workclass	race	education	`native.country`	sex	`marital.status`	capital	count
573	?	?	White	Masters	?	Female	Divorced	-35.824637	1
12428	Transport-moving	Private	White	9th	?	Male	Married-civ-spouse	-144.166221	1
8020	Other-service	Self-emp-not-inc	White	10th	United-States	Female	Divorced	51.772781	1
3029	Craft-repair	Private	White	HS-grad	United-States	Female	Separated	-281.802755	6
712	?	Private	White	Bachelors	Puerto-Rico	Male	Married-civ-spouse	-123.683775	1

SQL for Real:

SELECT occupation,workclass,race,education,`native.country`,sex,`marital.status`,MIN(capital), COUNT(*) FROM C1 GROUP BY occupation,workclass,race,education,`native.country`,sex,`marital.status`

Resulted in 8789 records

SQL for Synthetic:

SELECT occupation,workclass,race,education,`native.country`,sex,`marital.status`,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY occupation,workclass,race,education,`native.country`,sex,`marital.status`

Resulted in 12726 records

Normalized Euclidean distance for (capital): 57.97

Hellinger Distance: 0.508

=====

Real											
	education	sex	race	occupation	relationship	income	`native.country`	workclass	`marital.status`	age	count
5978	Bachelors	Female	White	Prof-specialty	Not-in-family	<=50K	United-States	State-gov	Divorced	60.000000	7.000000
826	11th	Female	White	?	Wife	<=50K	United-States	?	Married-civ-spouse	40.000000	6.000000
16413	Some-college	Male	White	Handlers-cleaners	Husband	<=50K	Columbia	Local-gov	Married-civ-spouse	nan	nan
10588	HS-grad	Male	Black	Transport-moving	Not-in-family	<=50K	United-States	Private	Divorced	54.000000	2.000000
13759	Prof-school	Male	White	Exec-managerial	Husband	>50K	Puerto-Rico	Federal-gov	Married-civ-spouse	nan	nan

Synthetic											
	education	sex	race	occupation	relationship	income	`native.country`	workclass	`marital.status`	age	count
5978	Bachelors	Female	White	Prof-specialty	Not-in-family	<=50K	United-States	State-gov	Divorced	51	3
826	11th	Female	White	?	Wife	<=50K	United-States	?	Married-civ-spouse	23	2
16413	Some-college	Male	White	Handlers-cleaners	Husband	<=50K	Columbia	Local-gov	Married-civ-spouse	42	1
10588	HS-grad	Male	Black	Transport-moving	Not-in-family	<=50K	United-States	Private	Divorced	54	2
13759	Prof-school	Male	White	Exec-managerial	Husband	>50K	Puerto-Rico	Federal-gov	Married-civ-spouse	43	1

SQL for Real:

SELECT education,sex,race,occupation,relationship,income,`native.country`,workclass,`marital.status`,MAX(age), COUNT(*) FROM C1 GROUP BY education,sex,race,occupation,relationship,income,`native.country`,workclass,`marital.status`

Resulted in 12664 records

SQL for Synthetic:

SELECT education,sex,race,occupation,relationship,income,`native.country`,workclass,`marital.status`,MAX(age), COUNT(*) FROM C1_syn_06 GROUP BY education,sex,race,occupation,relationship,income,`native.country`,workclass,`marital.status`

Resulted in 17127 records

Normalized Euclidean distance for (age): 64.61

Hellinger Distance: 0.549

=====

Real			
	`native.country`	age	count
37	Thailand	1130	30
32	Portugal	2763	67
23	Jamaica	3937	106
40	Vietnam	2977	86
24	Japan	3437	92

Synthetic			
	`native.country`	age	count
37	Thailand	4821.000000	211.000000
32	Portugal	117.000000	2.000000
23	Jamaica	3109.000000	59.000000
40	Vietnam	957.000000	39.000000
24	Japan	49167.000000	1156.000000

SQL for Real:
SELECT `native.country`,SUM(age), COUNT(*) FROM C1 GROUP BY `native.country`
Resulted in 42 records

SQL for Synthetic:
SELECT `native.country`,SUM(age), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`
Resulted in 41 records

Normalized Euclidean distance for (age): 6.4

Hellinger Distance: 0.396

=====

Real									
	sex	education	`native.country`	race	`marital.status`	relationship	workclass	fnlwgt	count
1982	Female	Bachelors	United-States	White	Never-married	Other-relative	State-gov	208483.000000	2.000000
5441	Male	Assoc-acdm	Peru	White	Never-married	Not-in-family	Private	304082.000000	1.000000
8389	Male	Some-college	Yugoslavia	Other	Never-married	Unmarried	Private	nan	nan
8132	Male	Some-college	Puerto-Rico	White	Married-spouse-absent	Own-child	Federal-gov	nan	nan
3359	Female	Masters	United-States	White	Married-spouse-absent	Unmarried	Self-emp-not-inc	nan	nan

Synthetic									
	sex	education	`native.country`	race	`marital.status`	relationship	workclass	fnlwgt	count
1982	Female	Bachelors	United-States	White	Never-married	Other-relative	State-gov	196613.966348	1
5441	Male	Assoc-acdm	Peru	White	Never-married	Not-in-family	Private	204875.435507	1
8389	Male	Some-college	Yugoslavia	Other	Never-married	Unmarried	Private	180950.415632	1
8132	Male	Some-college	Puerto-Rico	White	Married-spouse-absent	Own-child	Federal-gov	176176.139524	1
3359	Female	Masters	United-States	White	Married-spouse-absent	Unmarried	Self-emp-not-inc	173062.821206	1

SQL for Real:
SELECT sex,education,`native.country`,race,`marital.status`,relationship,workclass,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY sex,education,`native.country`,race,`marital.status`,relationship,workclass
Resulted in 6002 records

SQL for Synthetic:
SELECT sex,education,`native.country`,race,`marital.status`,relationship,workclass,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY sex,education,`native.country`,race,`marital.status`,relationship,workclass
Resulted in 8391 records

Normalized Euclidean distance for (fnlwgt): 48.46

Hellinger Distance: 0.482

=====

Real		
	workclass	fnlwgt count
5	Self-emp-not-inc	678086119 3862
2	Local-gov	596345319 3136
6	State-gov	360410194 1981
4	Self-emp-inc	303388390 1695
0	?	529802400 2830

Synthetic		
	workclass	fnlwgt count
5	Self-emp-not-inc	658445746.320339 3818.000000
2	Local-gov	567199972.519647 3105.000000
6	State-gov	338630858.672139 1982.000000
4	Self-emp-inc	284019318.551430 1645.000000
0	?	506616985.296546 2844.000000

SQL for Real:
SELECT workclass,SUM(fnlwgt), COUNT(*) FROM C1 GROUP BY workclass
Resulted in 7 records

SQL for Synthetic:
SELECT workclass,SUM(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY workclass
Resulted in 7 records

Normalized Euclidean distance for (fnlwgt): 2.65

Hellinger Distance: 0.003

=====

Real			
	workclass	`hours.per.week`	count
2	Local-gov	2	3136
0	?	1	2830
4	Self-emp-inc	1	1695
5	Self-emp-not-inc	1	3862
1	Federal-gov	4	1432

Synthetic			
	workclass	`hours.per.week`	count
2	Local-gov	38.913042	3105.000000
0	?	38.865705	2844.000000
4	Self-emp-inc	38.915161	1645.000000
5	Self-emp-not-inc	38.938152	3818.000000
1	Federal-gov	38.935892	1426.000000

SQL for Real:
SELECT workclass,MIN(`hours.per.week`), COUNT(*) FROM C1 GROUP BY workclass
Resulted in 7 records

SQL for Synthetic:
SELECT workclass,MIN(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY workclass
Resulted in 7 records

Normalized Euclidean distance for (`hours.per.week`): 2.65

Hellinger Distance: 0.003

=====

Real						
	relationship	workclass	education	`native.country`	age	count
524	Husband	Private	Prof-school	Germany	50.000000	2.000000
798	Husband	State-gov	Doctorate	United-States	49.818182	55.000000
1499	Not-in-family	Self-emp-not-inc	Prof-school	?	66.000000	1.000000
813	Husband	State-gov	Masters	Peru	nan	nan
377	Husband	Private	9th	Ireland	nan	nan

Synthetic						
	relationship	workclass	education	`native.country`	age	count
524	Husband	Private	Prof-school	Germany	34.000000	1
798	Husband	State-gov	Doctorate	United-States	50.121212	33
1499	Not-in-family	Self-emp-not-inc	Prof-school	?	48.000000	1
813	Husband	State-gov	Masters	Peru	42.000000	1
377	Husband	Private	9th	Ireland	26.000000	1

SQL for Real:
SELECT relationship,workclass,education,`native.country`,AVG(age), COUNT(*) FROM C1 GROUP BY relationship,workclass,education,`native.country`
Resulted in 2547 records

SQL for Synthetic:
SELECT relationship,workclass,education,`native.country`,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY relationship,workclass,education,`native.country`
Resulted in 3287 records

Normalized Euclidean distance for (age): 35.03

Hellinger Distance: 0.437

=====

Real							
	`native.country`	income	workclass	occupation	`marital.status`	`hours.per.week`	count
3058	United-States	<=50K	State-gov	Craft-repair	Never-married	745.000000	19.000000
2768	United-States	<=50K	Federal-gov	Handlers-cleaners	Never-married	437.000000	11.000000
2061	Puerto-Rico	<=50K	Local-gov	Machine-op-inspct	Divorced	nan	nan
1156	Ireland	<=50K	Local-gov	Transport-moving	Divorced	nan	nan
858	Holand-Netherlands	<=50K	Private	Handlers-cleaners	Married-civ-spouse	nan	nan

Synthetic							
	`native.country`	income	workclass	occupation	`marital.status`	`hours.per.week`	count
3058	United-States	<=50K	State-gov	Craft-repair	Never-married	239.957072	6
2768	United-States	<=50K	Federal-gov	Handlers-cleaners	Never-married	240.012326	6
2061	Puerto-Rico	<=50K	Local-gov	Machine-op-inspct	Divorced	40.000596	1
1156	Ireland	<=50K	Local-gov	Transport-moving	Divorced	39.947221	1
858	Holand-Netherlands	<=50K	Private	Handlers-cleaners	Married-civ-spouse	39.968699	1

SQL for Real:
SELECT `native.country`,income,workclass,occupation,`marital.status`,SUM(`hours.per.week`), COUNT(*) FROM C1 GROUP BY

`native.country`,income,workclass,occupation`,`marital.status`

Resulted in 2676 records

SQL for Synthetic:

SELECT `native.country`,income,workclass,occupation`,`marital.status`,SUM(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`,income,workclass,occupation`,`marital.status`

Resulted in 3329 records

Normalized Euclidean distance for (`hours.per.week`): 35.85

Hellinger Distance: 0.457

=====

Real									
	education	workclass	occupation	relationship	`marital.status`	`native.country`	race	fnlwgt	count
7497	HS-grad	Local-gov	Other-service	Unmarried	Widowed	United-States	White	679570.000000	4.000000
467	10th	Private	Sales	Own-child	Never-married	United-States	Black	393035.000000	2.000000
13785	Some-college	Self-emp-inc	Prof-specialty	Husband	Married-civ-spouse	Columbia	White	nan	nan
5590	Bachelors	Private	Other-service	Not-in-family	Divorced	Puerto-Rico	White	nan	nan
11183	Masters	Self-emp-not-inc	Prof-specialty	Husband	Married-civ-spouse	Puerto-Rico	Black	nan	nan

Synthetic									
	education	workclass	occupation	relationship	`marital.status`	`native.country`	race	fnlwgt	count
7497	HS-grad	Local-gov	Other-service	Unmarried	Widowed	United-States	White	693964.333869	4
467	10th	Private	Sales	Own-child	Never-married	United-States	Black	559718.786063	3
13785	Some-college	Self-emp-inc	Prof-specialty	Husband	Married-civ-spouse	Columbia	White	355178.737856	2
5590	Bachelors	Private	Other-service	Not-in-family	Divorced	Puerto-Rico	White	343647.242145	2
11183	Masters	Self-emp-not-inc	Prof-specialty	Husband	Married-civ-spouse	Puerto-Rico	Black	169208.282081	1

SQL for Real:

SELECT education,workclass,occupation,relationship`,`marital.status`,`native.country`,race,SUM(fnlwgt), COUNT(*) FROM C1 GROUP BY education,workclass,occupation,relationship`,`marital.status`,`native.country`,race

Resulted in 10061 records

SQL for Synthetic:

SELECT education,workclass,occupation,relationship`,`marital.status`,`native.country`,race,SUM(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY education,workclass,occupation,relationship`,`marital.status`,`native.country`,race

Resulted in 14266 records

Normalized Euclidean distance for (fnlwgt): 60.38

Hellinger Distance: 0.519

=====

Real		
sex	`hours.per.week`	count
0 Female	99	16192
1 Male	99	32650

Synthetic		
sex	`hours.per.week`	count
0 Female	40.150468	17114.000000
1 Male	40.592070	31728.000000

SQL for Real:

SELECT sex,MAX(`hours.per.week`), COUNT(*) FROM C1 GROUP BY sex

Resulted in 2 records

SQL for Synthetic:

SELECT sex,MAX(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY sex

Resulted in 2 records

Normalized Euclidean distance for (`hours.per.week`): 1.41

Hellinger Distance: 0.014

=====

Real										
	`marital.status`	occupation	income	sex	education	race	workclass	relationship	age	count
2491	Married-civ-spouse	Craft-repair	<=50K	Male	9th	White	Private	Husband	68	50
7537	Never-married	Prof-specialty	>50K	Female	Bachelors	White	Private	Not-in-family	45	13
7470	Never-married	Prof-specialty	<=50K	Male	HS-grad	White	Federal-gov	Not-in-family	23	1
9472	Widowed	Handlers-cleaners	<=50K	Female	11th	Black	Private	Not-in-family	62	1
3246	Married-civ-spouse	Handlers-cleaners	<=50K	Male	Some-college	White	Self-emp-not-inc	Husband	45	1

Synthetic										
	`marital.status`	occupation	income	sex	education	race	workclass	relationship	age	count
2491	Married-civ-spouse	Craft-repair	<=50K	Male	9th	White	Private	Husband	81.000000	59.000000
7537	Never-married	Prof-specialty	>50K	Female	Bachelors	White	Private	Not-in-family	42.000000	4.000000
7470	Never-married	Prof-specialty	<=50K	Male	HS-grad	White	Federal-gov	Not-in-family	18.000000	1.000000
9472	Widowed	Handlers-cleaners	<=50K	Female	11th	Black	Private	Not-in-family	nan	nan
3246	Married-civ-spouse	Handlers-cleaners	<=50K	Male	Some-college	White	Self-emp-not-inc	Husband	34.000000	3.000000

SQL for Real:

SELECT `marital.status`,`occupation,income,sex,education,race,workclass,relationship,MAX(age), COUNT(*) FROM C1 GROUP BY `marital.status`,`occupation,income,sex,education,race,workclass,relationship

Resulted in 9897 records

SQL for Synthetic:

SELECT `marital.status`,occupation,income,sex,education,race,workclass,relationship,MAX(age), COUNT(*) FROM C1_syn_06 GROUP BY `marital.status`,occupation,income,sex,education,race,workclass,relationship

Resulted in 9113 records

Normalized Euclidean distance for (age): 69.99

Hellinger Distance: 0.328

=====

Real								
	`native.country`	race	sex	`marital.status`	workclass	income	capital	count
2091	United-States	White	Male	Married-spouse-absent	Self-emp-not-inc	>50K	0.000000	4.000000
757	Ireland	White	Female	Divorced	Local-gov	<=50K	nan	nan
639	Hungary	White	Male	Divorced	Private	>50K	nan	nan
250	Columbia	Black	Female	Married-civ-spouse	Private	<=50K	nan	nan
1229	Philippines	White	Female	Married-civ-spouse	Local-gov	>50K	nan	nan

Synthetic								
	`native.country`	race	sex	`marital.status`	workclass	income	capital	count
2091	United-States	White	Male	Married-spouse-absent	Self-emp-not-inc	>50K	-11.114547	1
757	Ireland	White	Female	Divorced	Local-gov	<=50K	198.609019	7
639	Hungary	White	Male	Divorced	Private	>50K	-125.971624	2
250	Columbia	Black	Female	Married-civ-spouse	Private	<=50K	62.614144	6
1229	Philippines	White	Female	Married-civ-spouse	Local-gov	>50K	-60.287934	2

SQL for Real:

SELECT `native.country`,race,sex,`marital.status`,workclass,income,MAX(capital), COUNT(*) FROM C1 GROUP BY `native.country`,race,sex,`marital.status`,workclass,income

Resulted in 1867 records

SQL for Synthetic:

SELECT `native.country`,race,sex,`marital.status`,workclass,income,MAX(capital), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`,race,sex,`marital.status`,workclass,income

Resulted in 2171 records

Normalized Euclidean distance for (capital): 28.65

Hellinger Distance: 0.455

=====

Real										
	race	workclass	sex	income	occupation	relationship	`native.country`	`marital.status`	age	count
5900	White	Private	Male	<=50K	Adm-clerical	Unmarried	Columbia	Married-spouse-absent	nan	nan
7206	White	Private	Male	>50K	Craft-repair	Unmarried	Puerto-Rico	Divorced	nan	nan
8160	White	Self-emp-not-inc	Male	<=50K	Farming-fishing	Own-child	Japan	Never-married	nan	nan
6970	White	Private	Male	<=50K	Tech-support	Husband	Ecuador	Married-civ-spouse	nan	nan
4474	White	Private	Female	<=50K	Craft-repair	Not-in-family	United-States	Divorced	43.680000	25.000000

Synthetic										
	race	workclass	sex	income	occupation	relationship	`native.country`	`marital.status`	age	count
5900	White	Private	Male	<=50K	Adm-clerical	Unmarried	Columbia	Married-spouse-absent	56.000000	1
7206	White	Private	Male	>50K	Craft-repair	Unmarried	Puerto-Rico	Divorced	46.000000	1
8160	White	Self-emp-not-inc	Male	<=50K	Farming-fishing	Own-child	Japan	Never-married	38.000000	1
6970	White	Private	Male	<=50K	Tech-support	Husband	Ecuador	Married-civ-spouse	29.000000	2
4474	White	Private	Female	<=50K	Craft-repair	Not-in-family	United-States	Divorced	41.333333	12

SQL for Real:

SELECT race,workclass,sex,income,occupation,relationship,`native.country`,`marital.status`,AVG(age), COUNT(*) FROM C1 GROUP BY race,workclass,sex,income,occupation,relationship,`native.country`,`marital.status`

Resulted in 6492 records

SQL for Synthetic:

SELECT race,workclass,sex,income,occupation,relationship,`native.country`,`marital.status`,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY race,workclass,sex,income,occupation,relationship,`native.country`,`marital.status`

Resulted in 8900 records

Normalized Euclidean distance for (age): 49.69

Hellinger Distance: 0.502

=====

Real				
	race	education	age	count
79	White	Some-college	17	9289
23	Asian-Pac-Islander	Assoc-acdm	22	49
31	Asian-Pac-Islander	Some-college	17	302
72	White	Assoc-voc	19	1803
42	Black	Doctorate	26	16

Synthetic				
	race	education	age	count
79	White	Some-college	17.000000	9391.000000
23	Asian-Pac-Islander	Assoc-acdm	20.000000	32.000000
31	Asian-Pac-Islander	Some-college	18.000000	148.000000
72	White	Assoc-voc	17.000000	1764.000000
42	Black	Doctorate	31.000000	15.000000

SQL for Real:
SELECT race,education,MIN(age), COUNT(*) FROM C1 GROUP BY race,education
Resulted in 80 records

SQL for Synthetic:
SELECT race,education,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY race,education
Resulted in 77 records

Normalized Euclidean distance for (age): 8.77
Hellinger Distance: 0.053

=====

Real						
	sex	race	workclass	income	capital	count
84	Male	Asian-Pac-Islander	Self-emp-inc	>50K	7602.757576	33
11	Female	Amer-Indian-Eskimo	State-gov	>50K	0.000000	3
117	Male	White	?	<=50K	78.526042	1152
18	Female	Asian-Pac-Islander	Private	>50K	1225.106383	47
75	Male	Asian-Pac-Islander	?	<=50K	-49.704545	44

Synthetic						
	sex	race	workclass	income	capital	count
84	Male	Asian-Pac-Islander	Self-emp-inc	>50K	55.721717	8.000000
11	Female	Amer-Indian-Eskimo	State-gov	>50K	nan	nan
117	Male	White	?	<=50K	5.804332	1247.000000
18	Female	Asian-Pac-Islander	Private	>50K	-115.704524	4.000000
75	Male	Asian-Pac-Islander	?	<=50K	24.960637	39.000000

SQL for Real:
SELECT sex,race,workclass,income,AVG(capital), COUNT(*) FROM C1 GROUP BY sex,race,workclass,income
Resulted in 131 records

SQL for Synthetic:
SELECT sex,race,workclass,income,AVG(capital), COUNT(*) FROM C1_syn_06 GROUP BY sex,race,workclass,income
Resulted in 122 records

Normalized Euclidean distance for (capital): 10.95
Hellinger Distance: 0.15

=====

Real							
	sex	`marital.status`	workclass	occupation	`native.country`	age	count
634	Female	Married-civ-spouse	Self-emp-inc	Exec-managerial	?	42.666667	3.000000
943	Female	Never-married	Local-gov	Adm-clerical	Yugoslavia	nan	nan
3241	Male	Never-married	Private	Machine-op-inspct	Philippines	28.000000	7.000000
3498	Male	Never-married	State-gov	Other-service	Columbia	nan	nan
1345	Female	Never-married	Self-emp-not-inc	Prof-specialty	United-States	35.837838	37.000000

Synthetic							
	sex	`marital.status`	workclass	occupation	`native.country`	age	count
634	Female	Married-civ-spouse	Self-emp-inc	Exec-managerial	?	28.000000	2
943	Female	Never-married	Local-gov	Adm-clerical	Yugoslavia	35.000000	1
3241	Male	Never-married	Private	Machine-op-inspct	Philippines	45.000000	1
3498	Male	Never-married	State-gov	Other-service	Columbia	32.000000	1
1345	Female	Never-married	Self-emp-not-inc	Prof-specialty	United-States	37.142857	21

SQL for Real:
SELECT sex,`marital.status`,workclass,occupation,`native.country`,AVG(age), COUNT(*) FROM C1 GROUP BY sex,`marital.status`,workclass,occupation,`native.country`
Resulted in 2817 records

SQL for Synthetic:
SELECT sex,`marital.status`,workclass,occupation,`native.country`,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY sex,`marital.status`,workclass,occupation,`native.country`
Resulted in 3807 records

Normalized Euclidean distance for (age): 37.13
Hellinger Distance: 0.446

=====

Real										
	`native.country`	occupation	sex	income	`marital.status`	workclass	relationship	education	race	capital count
15243	United-States	Prof-specialty	Male	<=50K	Married-civ-spouse	Federal-gov	Husband	Prof-school	White	0.000000 2.000000
7350	Puerto-Rico	Exec-managerial	Female	<=50K	Married-civ-spouse	Self-emp-inc	Wife	Bachelors	White	nan nan
2435	Guatemala	Sales	Male	<=50K	Married-civ-spouse	Private	Husband	HS-grad	White	0.000000 1.000000
4698	Laos	Exec-managerial	Female	<=50K	Divorced	Private	Not-in-family	Bachelors	White	nan nan
11146	United-States	Adm-clerical	Female	<=50K	Never-married	Private	Not-in-family	HS-grad	Asian-Pac-Islander	0.000000 1.000000

Synthetic										
	`native.country`	occupation	sex	income	`marital.status`	workclass	relationship	education	race	capital count
15243	United-States	Prof-specialty	Male	<=50K	Married-civ-spouse	Federal-gov	Husband	Prof-school	White	98.457523 7
7350	Puerto-Rico	Exec-managerial	Female	<=50K	Married-civ-spouse	Self-emp-inc	Wife	Bachelors	White	138.526103 1
2435	Guatemala	Sales	Male	<=50K	Married-civ-spouse	Private	Husband	HS-grad	White	-113.292638 3
4698	Laos	Exec-managerial	Female	<=50K	Divorced	Private	Not-in-family	Bachelors	White	-9.636421 1
11146	United-States	Adm-clerical	Female	<=50K	Never-married	Private	Not-in-family	HS-grad	Asian-Pac-Islander	57.569155 1

SQL for Real:
SELECT `native.country`,occupation,sex,income,`marital.status`,workclass,relationship,education,race,MIN(capital), COUNT(*) FROM C1 GROUP BY `native.country`,occupation,sex,income,`marital.status`,workclass,relationship,education,race
Resulted in 12664 records

SQL for Synthetic:
SELECT `native.country`,occupation,sex,income,`marital.status`,workclass,relationship,education,race,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`,occupation,sex,income,`marital.status`,workclass,relationship,education,race
Resulted in 17127 records

Normalized Euclidean distance for (capital): 64.61

Hellinger Distance: 0.549

=====

Real							
	occupation	`marital.status`	workclass	sex	race	fnlwgt	count
1302	Protective-serv	Married-spouse-absent	Local-gov	Male	White	202207	1
1577	Tech-support	Separated	Private	Male	Asian-Pac-Islander	341672	1
61	Adm-clerical	Divorced	Federal-gov	Male	White	3741548	20
125	Adm-clerical	Married-civ-spouse	Self-emp-not-inc	Female	White	4883377	23
1094	Prof-specialty	Divorced	State-gov	Female	Asian-Pac-Islander	700765	4

Synthetic							
	occupation	`marital.status`	workclass	sex	race	fnlwgt	count
1302	Protective-serv	Married-spouse-absent	Local-gov	Male	White	194883.976133	1.000000
1577	Tech-support	Separated	Private	Male	Asian-Pac-Islander	176284.846677	1.000000
61	Adm-clerical	Divorced	Federal-gov	Male	White	3043524.538681	18.000000
125	Adm-clerical	Married-civ-spouse	Self-emp-not-inc	Female	White	3741210.846971	22.000000
1094	Prof-specialty	Divorced	State-gov	Female	Asian-Pac-Islander	162009.465884	1.000000

SQL for Real:
SELECT occupation,`marital.status`,workclass,sex,race,SUM(fnlwgt), COUNT(*) FROM C1 GROUP BY occupation,`marital.status`,workclass,sex,race
Resulted in 1695 records

SQL for Synthetic:
SELECT occupation,`marital.status`,workclass,sex,race,SUM(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY occupation,`marital.status`,workclass,sex,race
Resulted in 1584 records

Normalized Euclidean distance for (fnlwgt): 35.06

Hellinger Distance: 0.119

=====

Real				
	income	relationship	sex	fnlwgt count
23	>50K	Wife	Male	350162.000000 1.000000
9	<=50K	Unmarried	Male	195616.585714 1050.000000
8	<=50K	Unmarried	Female	190393.823686 3766.000000
14	>50K	Not-in-family	Female	182632.548889 450.000000
11	<=50K	Wife	Male	113481.500000 2.000000

Synthetic				
	income	relationship	sex	fnlwgt count
23	>50K	Wife	Male	179441.058854 3
9	<=50K	Unmarried	Male	183636.319012 1155
8	<=50K	Unmarried	Female	179919.004125 3760
14	>50K	Not-in-family	Female	175831.078344 134
11	<=50K	Wife	Male	177956.939889 7

SQL for Real:
SELECT income,relationship,sex,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY income,relationship,sex
Resulted in 23 records

SQL for Synthetic:
SELECT income,relationship,sex,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY income,relationship,sex
Resulted in 24 records

Normalized Euclidean distance for (fnlwgt): 4.8

Hellinger Distance: 0.149

=====

Real					
	`native.country`	relationship	income	`hours.per.week`	count
310	Scotland	Wife	>50K	40	1
105	Germany	Husband	>50K	15	44
52	Cuba	Husband	>50K	24	27
290	Portugal	Unmarried	>50K	50	1
22	Canada	Husband	>50K	20	42

Synthetic					
	`native.country`	relationship	income	`hours.per.week`	count
310	Scotland	Wife	>50K	39.931315	11.000000
105	Germany	Husband	>50K	40.338012	2.000000
52	Cuba	Husband	>50K	40.010078	3.000000
290	Portugal	Unmarried	>50K	nan	nan
22	Canada	Husband	>50K	39.976995	3.000000

SQL for Real:
SELECT `native.country`,relationship,income,MIN(` hours.per.week`), COUNT(*) FROM C1 GROUP BY `native.country`,relationship,income
Resulted in 372 records

SQL for Synthetic:
SELECT `native.country`,relationship,income,MIN(` hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`,relationship,income
Resulted in 299 records

Normalized Euclidean distance for (`hours.per.week`): 16.16

Hellinger Distance: 0.421

=====

Real										
	relationship	`native.country`	workclass	race	occupation	sex	education	income	age	count
10408	Own-child	United-States	Private	White	Other-service	Male	Some-college	<=50K	22.370629	143.000000
1852	Husband	Puerto-Rico	Federal-gov	White	Craft-repair	Male	Some-college	>50K	nan	nan
6372	Not-in-family	Scotland	Local-gov	White	Adm-clerical	Female	Some-college	<=50K	nan	nan
6083	Not-in-family	Puerto-Rico	Private	White	Prof-specialty	Male	Some-college	<=50K	nan	nan
11398	Unmarried	Peru	Local-gov	White	Other-service	Female	HS-grad	<=50K	nan	nan

Synthetic										
	relationship	`native.country`	workclass	race	occupation	sex	education	income	age	count
10408	Own-child	United-States	Private	White	Other-service	Male	Some-college	<=50K	21.932584	89
1852	Husband	Puerto-Rico	Federal-gov	White	Craft-repair	Male	Some-college	>50K	53.000000	1
6372	Not-in-family	Scotland	Local-gov	White	Adm-clerical	Female	Some-college	<=50K	65.000000	1
6083	Not-in-family	Puerto-Rico	Private	White	Prof-specialty	Male	Some-college	<=50K	43.000000	3
11398	Unmarried	Peru	Local-gov	White	Other-service	Female	HS-grad	<=50K	52.000000	1

SQL for Real:
SELECT relationship,`native.country`,workclass,race,occupation,sex,education,income,AVG(age), COUNT(*) FROM C1 GROUP BY relationship,`native.country`,workclass,race,occupation,sex,education,income
Resulted in 9992 records

SQL for Synthetic:
SELECT relationship,`native.country`,workclass,race,occupation,sex,education,income,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY relationship,`native.country`,workclass,race,occupation,sex,education,income
Resulted in 13906 records

Normalized Euclidean distance for (age): 60.46

Hellinger Distance: 0.528

=====

Real						
	relationship	race	sex	workclass	capital	count
6	Husband	Amer-Indian-Eskimo	Male	State-gov	0	10
31	Husband	White	Male	Local-gov	99999	1131
289	Wife	Black	Female	State-gov	3103	19
182	Own-child	Black	Female	State-gov	0	16
138	Other-relative	Other	Male	Private	0	20

Synthetic						
	relationship	race	sex	workclass	capital	count
6	Husband	Amer-Indian-Eskimo	Male	State-gov	234.669398	7.000000
31	Husband	White	Male	Local-gov	448.600229	1095.000000
289	Wife	Black	Female	State-gov	207.718738	14.000000
182	Own-child	Black	Female	State-gov	192.543029	24.000000
138	Other-relative	Other	Male	Private	298.366398	16.000000

SQL for Real:
SELECT relationship,race,sex,workclass,MAX(capital), COUNT(*) FROM C1 GROUP BY relationship,race,sex,workclass
Resulted in 302 records

SQL for Synthetic:

SELECT relationship,race,sex,workclass,MAX(capital), COUNT(*) FROM C1_syn_06 GROUP BY relationship,race,sex,workclass

Resulted in 289 records

Normalized Euclidean distance for (capital): 16.31

Hellinger Distance: 0.065

=====

Real					
	race	workclass	relationship	`hours.per.week`	count
25	Amer-Indian-Eskimo	Self-emp-inc	Wife	40	1
183	White	Self-emp-not-inc	Own-child	3	223
105	Black	Self-emp-inc	Other-relative	40	1
125	Other	?	Unmarried	40	2
175	White	Self-emp-inc	Not-in-family	5	238

Synthetic					
	race	workclass	relationship	`hours.per.week`	count
25	Amer-Indian-Eskimo	Self-emp-inc	Wife	nan	nan
183	White	Self-emp-not-inc	Own-child	38.938152	268.000000
105	Black	Self-emp-inc	Other-relative	39.955479	1.000000
125	Other	?	Unmarried	39.521403	2.000000
175	White	Self-emp-inc	Not-in-family	39.040644	248.000000

SQL for Real:

SELECT race,workclass,relationship,MIN(`hours.per.week`), COUNT(*) FROM C1 GROUP BY race,workclass,relationship

Resulted in 192 records

SQL for Synthetic:

SELECT race,workclass,relationship,MIN(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY race,workclass,relationship

Resulted in 181 records

Normalized Euclidean distance for (`hours.per.week`): 13.27

Hellinger Distance: 0.057

=====

Real											
	education	sex	`marital.status`	race	workclass	occupation	`native.country`	income	relationship	fnlwgt	count
13344	Masters	Male	Married-spouse-absent	Asian-Pac-Islander	Private	Prof-specialty	United-States	<=50K	Not-in-family	nan	nan
13813	Prof-school	Male	Married-civ-spouse	White	Self-emp-inc	Exec-managerial	Peru	<=50K	Husband	nan	nan
16436	Some-college	Male	Never-married	Asian-Pac-Islander	Private	Adm-clerical	Columbia	<=50K	Own-child	nan	nan
2799	9th	Female	Divorced	White	Private	Other-service	Puerto-Rico	<=50K	Unmarried	nan	nan
4994	Assoc-voc	Male	Never-married	Asian-Pac-Islander	Self-emp-inc	Sales	United-States	<=50K	Own-child	nan	nan

Synthetic											
	education	sex	`marital.status`	race	workclass	occupation	`native.country`	income	relationship	fnlwgt	count
13344	Masters	Male	Married-spouse-absent	Asian-Pac-Islander	Private	Prof-specialty	United-States	<=50K	Not-in-family	193613.583186	1
13813	Prof-school	Male	Married-civ-spouse	White	Self-emp-inc	Exec-managerial	Peru	<=50K	Husband	178789.821231	1
16436	Some-college	Male	Never-married	Asian-Pac-Islander	Private	Adm-clerical	Columbia	<=50K	Own-child	177590.512608	1
2799	9th	Female	Divorced	White	Private	Other-service	Puerto-Rico	<=50K	Unmarried	173157.046856	2
4994	Assoc-voc	Male	Never-married	Asian-Pac-Islander	Self-emp-inc	Sales	United-States	<=50K	Own-child	186483.684155	1

SQL for Real:

SELECT education,sex,`marital.status`,race,workclass,occupation,`native.country`,income,relationship,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY education,sex,`marital.status`,race,workclass,occupation,`native.country`,income,relationship

Resulted in 12664 records

SQL for Synthetic:

SELECT education,sex,`marital.status`,race,workclass,occupation,`native.country`,income,relationship,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY education,sex,`marital.status`,race,workclass,occupation,`native.country`,income,relationship

Resulted in 17127 records

Normalized Euclidean distance for (fnlwgt): 64.61

Hellinger Distance: 0.549

=====

Real											
	education	income	sex	race	`marital.status`	occupation	workclass	`native.country`	relationship	`hours.per.week`	count
8499	HS-grad	<=50K	Female	Black	Separated	Machine-op-inspct	Private	Puerto-Rico	Unmarried	nan	nan
616	10th	<=50K	Male	White	Never-married	Other-service	Private	United-States	Other-relative	26.250000	4.000000
12939	Masters	<=50K	Male	White	Divorced	?	?	United-States	Other-relative	nan	nan
4339	Assoc-voc	<=50K	Female	White	Divorced	Machine-op-inspct	Private	United-States	Unmarried	nan	nan
6401	Bachelors	<=50K	Male	Black	Married-civ-spouse	Sales	Private	Puerto-Rico	Husband	nan	nan

Synthetic											
	education	income	sex	race	`marital.status`	occupation	workclass	`native.country`	relationship	`hours.per.week`	count
8499	HS-grad	<=50K	Female	Black	Separated	Machine-op-inspct	Private	Puerto-Rico	Unmarried	39.954001	1
616	10th	<=50K	Male	White	Never-married	Other-service	Private	United-States	Other-relative	39.360393	3
12939	Masters	<=50K	Male	White	Divorced	?	?	United-States	Other-relative	39.990727	1
4339	Assoc-voc	<=50K	Female	White	Divorced	Machine-op-inspct	Private	United-States	Unmarried	39.999587	3
6401	Bachelors	<=50K	Male	Black	Married-civ-spouse	Sales	Private	Puerto-Rico	Husband	40.393387	2

SQL for Real:

SELECT education,income,sex,race,`marital.status`,occupation,workclass,`native.country`,relationship,AVG(`hours.per.week`), COUNT(*) FROM C1 GROUP BY education,income,sex,race,`marital.status`,occupation,workclass,`native.country`,relationship

Resulted in 12664 records

SQL for Synthetic:

SELECT education,income,sex,race,`marital.status`,occupation,workclass,`native.country`,relationship,AVG(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY education,income,sex,race,`marital.status`,occupation,workclass,`native.country`,relationship

Resulted in 17127 records

Normalized Euclidean distance for (`hours.per.week`): 64.61

Hellinger Distance: 0.549

=====

Real						
	sex	`marital.status`	race	relationship	income	age count
184	Male	Divorced	Other	Own-child	<=50K	67 2
9	Female	Divorced	Asian-Pac-Islander	Own-child	<=50K	224 7
217	Male	Married-civ-spouse	Other	Other-relative	>50K	27 1
74	Female	Married-spouse-absent	Black	Not-in-family	<=50K	462 11
318	Male	Widowed	Asian-Pac-Islander	Other-relative	>50K	75 1

Synthetic						
	sex	`marital.status`	race	relationship	income	age count
184	Male	Divorced	Other	Own-child	<=50K	nan nan
9	Female	Divorced	Asian-Pac-Islander	Own-child	<=50K	102.000000 3.000000
217	Male	Married-civ-spouse	Other	Other-relative	>50K	nan nan
74	Female	Married-spouse-absent	Black	Not-in-family	<=50K	456.000000 11.000000
318	Male	Widowed	Asian-Pac-Islander	Other-relative	>50K	nan nan

SQL for Real:

SELECT sex,`marital.status`,race,relationship,income,SUM(age), COUNT(*) FROM C1 GROUP BY sex,`marital.status`,race,relationship,income

Resulted in 334 records

SQL for Synthetic:

SELECT sex,`marital.status`,race,relationship,income,SUM(age), COUNT(*) FROM C1_syn_06 GROUP BY sex,`marital.status`,race,relationship,income

Resulted in 306 records

Normalized Euclidean distance for (age): 16.0

Hellinger Distance: 0.164

=====

Real							
	income	workclass	`native.country`	occupation	`marital.status`	sex	education age count
3042	<=50K	Private	Ecuador	Craft-repair	Married-civ-spouse	Male	Assoc-voc nan nan
4252	<=50K	Private	Japan	Other-service	Married-civ-spouse	Male	Assoc-acdm nan nan
2004	<=50K	Local-gov	United-States	Other-service	Divorced	Female	Prof-school nan nan
1368	<=50K	Local-gov	Japan	Exec-managerial	Divorced	Female	9th nan nan
4976	<=50K	Private	Peru	Machine-op-inspct	Married-civ-spouse	Male	Assoc-acdm nan nan

Synthetic							
	income	workclass	`native.country`	occupation	`marital.status`	sex	education age count
3042	<=50K	Private	Ecuador	Craft-repair	Married-civ-spouse	Male	Assoc-voc 29 1
4252	<=50K	Private	Japan	Other-service	Married-civ-spouse	Male	Assoc-acdm 32 1
2004	<=50K	Local-gov	United-States	Other-service	Divorced	Female	Prof-school 44 1
1368	<=50K	Local-gov	Japan	Exec-managerial	Divorced	Female	9th 57 1
4976	<=50K	Private	Peru	Machine-op-inspct	Married-civ-spouse	Male	Assoc-acdm 41 1

SQL for Real:

SELECT income,workclass,`native.country`,occupation,`marital.status`,sex,education,MIN(age), COUNT(*) FROM C1 GROUP BY income,workclass,`native.country`,occupation,`marital.status`,sex,education

Resulted in 7960 records

SQL for Synthetic:

SELECT income,workclass,`native.country`,occupation,`marital.status`,sex,education,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY income,workclass,`native.country`,occupation,`marital.status`,sex,education

Resulted in 11425 records

Normalized Euclidean distance for (age): 56.2

Hellinger Distance: 0.509

=====

Real					
	`native.country`	relationship	income	fnlwgt	count
30	Canada	Wife	>50K	1840042	11
28	Canada	Unmarried	>50K	118139	2
193	Italy	Not-in-family	>50K	635318	4
245	Nicaragua	Wife	>50K	376302	1
254	Peru	Husband	>50K	1284191	3

Synthetic

	`native.country`	relationship	income	fnlwgt	count
30	Canada	Wife	>50K	nan	nan
28	Canada	Unmarried	>50K	nan	nan
193	Italy	Not-in-family	>50K	nan	nan
245	Nicaragua	Wife	>50K	nan	nan
254	Peru	Husband	>50K	11819181.656750	66.000000

SQL for Real:
SELECT `native.country`,relationship,income,SUM(fnlwgt), COUNT(*) FROM C1 GROUP BY `native.country`,relationship,income
Resulted in 372 records

SQL for Synthetic:
SELECT `native.country`,relationship,income,SUM(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`,relationship,income
Resulted in 299 records

Normalized Euclidean distance for (fnlwgt): 16.16

Hellinger Distance: 0.421

=====

Real

	race	sex	fnlwgt	count
9	White	Male	13769	28735
1	Amer-Indian-Eskimo	Male	13492	285
6	Other	Female	24562	155
5	Black	Male	21856	2377
0	Amer-Indian-Eskimo	Female	12285	185

Synthetic

	race	sex	fnlwgt	count
9	White	Male	117274.397609	28906.000000
1	Amer-Indian-Eskimo	Male	146906.905111	133.000000
6	Other	Female	134958.723599	159.000000
5	Black	Male	132147.182998	1830.000000
0	Amer-Indian-Eskimo	Female	160187.303733	69.000000

SQL for Real:
SELECT race,sex,MIN(fnlwgt), COUNT(*) FROM C1 GROUP BY race,sex
Resulted in 10 records

SQL for Synthetic:
SELECT race,sex,MIN(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY race,sex
Resulted in 10 records

Normalized Euclidean distance for (fnlwgt): 3.16

Hellinger Distance: 0.045

=====

Real

	workclass	`marital.status`	occupation	`native.country`	age	count
2565	State-gov	Divorced	Other-service	Puerto-Rico	nan	nan
1698	Private	Never-married	Sales	Columbia	21.000000	2.000000
2540	State-gov	Divorced	Adm-clerical	?	45.000000	1.000000
611	Local-gov	Married-spouse-absent	Transport-moving	Puerto-Rico	nan	nan
2758	State-gov	Separated	Exec-managerial	Puerto-Rico	nan	nan

Synthetic

	workclass	`marital.status`	occupation	`native.country`	age	count
2565	State-gov	Divorced	Other-service	Puerto-Rico	29	11
1698	Private	Never-married	Sales	Columbia	26	27
2540	State-gov	Divorced	Adm-clerical	?	40	6
611	Local-gov	Married-spouse-absent	Transport-moving	Puerto-Rico	61	1
2758	State-gov	Separated	Exec-managerial	Puerto-Rico	33	3

SQL for Real:
SELECT workclass,`marital.status`,occupation,`native.country`,MIN(age), COUNT(*) FROM C1 GROUP BY workclass,`marital.status`,occupation,`native.country`
Resulted in 2171 records

SQL for Synthetic:
SELECT workclass,`marital.status`,occupation,`native.country`,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY workclass,`marital.status`,occupation,`native.country`
Resulted in 2790 records

Normalized Euclidean distance for (age): 33.36

Hellinger Distance: 0.436

=====

Real					
	occupation	`marital.status`	race	fnlwgt	count
267	Prof-specialty	Never-married	Black	217159.601399	143
94	Exec-managerial	Divorced	Black	212223.720588	68
74	Craft-repair	Married-civ-spouse	Other	250221.628571	35
278	Prof-specialty	Widowed	Other	142909.000000	2
164	Handlers-cleaners	Separated	Black	265429.705882	17

Synthetic					
	occupation	`marital.status`	race	fnlwgt	count
267	Prof-specialty	Never-married	Black	182931.793926	128.000000
94	Exec-managerial	Divorced	Black	176166.072491	56.000000
74	Craft-repair	Married-civ-spouse	Other	181289.161511	25.000000
278	Prof-specialty	Widowed	Other	170709.366902	1.000000
164	Handlers-cleaners	Separated	Black	181554.390088	13.000000

SQL for Real:

SELECT occupation,`marital.status`,race,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY occupation,`marital.status`,race

Resulted in 383 records

SQL for Synthetic:

SELECT occupation,`marital.status`,race,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY occupation,`marital.status`,race

Resulted in 359 records

Normalized Euclidean distance for (fnlwgt): 18.25

Hellinger Distance: 0.07

=====

Real					
	income	`native.country`	relationship	`hours.per.week`	count
113	<=50K	Ireland	Husband	25	5
193	<=50K	Scotland	Own-child	20	1
356	>50K	Taiwan	Not-in-family	40	2
324	>50K	Mexico	Unmarried	35	3
327	>50K	Nicaragua	Wife	35	1

Synthetic					
	income	`native.country`	relationship	`hours.per.week`	count
113	<=50K	Ireland	Husband	39.912408	109.000000
193	<=50K	Scotland	Own-child	39.450670	34.000000
356	>50K	Taiwan	Not-in-family	nan	nan
324	>50K	Mexico	Unmarried	nan	nan
327	>50K	Nicaragua	Wife	nan	nan

SQL for Real:

SELECT income,`native.country`,relationship,MIN(`hours.per.week`), COUNT(*) FROM C1 GROUP BY income,`native.country`,relationship

Resulted in 372 records

SQL for Synthetic:

SELECT income,`native.country`,relationship,MIN(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY income,`native.country`,relationship

Resulted in 299 records

Normalized Euclidean distance for (`hours.per.week`): 16.16

Hellinger Distance: 0.421

=====

Real									
	race	workclass	income	occupation	`native.country`	relationship	sex	fnlwgt	count
2329	White	?	<=50K	?	Peru	Not-in-family	Female	nan	nan
3061	White	Local-gov	<=50K	Prof-specialty	Peru	Not-in-family	Male	nan	nan
4531	White	Private	<=50K	Protective-serv	Peru	Other-relative	Male	nan	nan
1771	Black	Private	>50K	Handlers-cleaners	Hungary	Husband	Male	nan	nan
3148	White	Local-gov	<=50K	Protective-serv	United-States	Not-in-family	Male	201112.609756	41.000000

Synthetic									
	race	workclass	income	occupation	`native.country`	relationship	sex	fnlwgt	count
2329	White	?	<=50K	?	Peru	Not-in-family	Female	178962.961657	6
3061	White	Local-gov	<=50K	Prof-specialty	Peru	Not-in-family	Male	179199.925369	4
4531	White	Private	<=50K	Protective-serv	Peru	Other-relative	Male	179458.917653	1
1771	Black	Private	>50K	Handlers-cleaners	Hungary	Husband	Male	182057.167035	2
3148	White	Local-gov	<=50K	Protective-serv	United-States	Not-in-family	Male	186226.256904	33

SQL for Real:

SELECT race,workclass,income,occupation,`native.country`,relationship,sex,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY race,workclass,income,occupation,`native.country`,relationship,sex

Resulted in 4642 records

SQL for Synthetic:

SELECT race,workclass,income,occupation,`native.country`,relationship,sex,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY race,workclass,income,occupation,`native.country`,relationship,sex

Resulted in 6316 records

Normalized Euclidean distance for (fnlwgt): 43.95

Hellinger Distance: 0.484

=====

Real										
	relationship	education	income	race	`marital.status`	`native.country`	sex	workclass	`hours.per.week`	count
4274	Not-in-family	Some-college	<=50K	White	Divorced	Puerto-Rico	Male	?	65.000000	1.000000
7829	Unmarried	HS-grad	<=50K	White	Never-married	Puerto-Rico	Male	Local-gov	nan	nan
2153	Not-in-family	7th-8th	<=50K	White	Never-married	Peru	Male	Private	nan	nan
3193	Not-in-family	HS-grad	<=50K	Asian-Pac-Islander	Never-married	Thailand	Female	Self-emp-not-inc	nan	nan
8099	Unmarried	Prof-school	<=50K	White	Separated	United-States	Male	Self-emp-not-inc	nan	nan

Synthetic										
	relationship	education	income	race	`marital.status`	`native.country`	sex	workclass	`hours.per.week`	count
4274	Not-in-family	Some-college	<=50K	White	Divorced	Puerto-Rico	Male	?	39.840864	6
7829	Unmarried	HS-grad	<=50K	White	Never-married	Puerto-Rico	Male	Local-gov	40.014015	1
2153	Not-in-family	7th-8th	<=50K	White	Never-married	Peru	Male	Private	39.532139	1
3193	Not-in-family	HS-grad	<=50K	Asian-Pac-Islander	Never-married	Thailand	Female	Self-emp-not-inc	40.023884	1
8099	Unmarried	Prof-school	<=50K	White	Separated	United-States	Male	Self-emp-not-inc	40.020488	1

SQL for Real:
SELECT relationship,education,income,race,`marital.status`,`native.country`,sex,workclass,AVG(`hours.per.week`), COUNT(*) FROM C1 GROUP BY relationship,education,income,race,`marital.status`,`native.country`,sex,workclass

Resulted in 6863 records

SQL for Synthetic:
SELECT relationship,education,income,race,`marital.status`,`native.country`,sex,workclass,AVG(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY relationship,education,income,race,`marital.status`,`native.country`,sex,workclass

Resulted in 9165 records

Normalized Euclidean distance for (`hours.per.week`): 50.11

Hellinger Distance: 0.502

=====

Real									
	occupation	sex	income	`marital.status`	race	education	workclass	age	count
1012	Adm-clerical	Male	<=50K	Separated	White	Some-college	State-gov	37	1
4014	Other-service	Female	<=50K	Widowed	White	HS-grad	Private	3496	59
5456	Prof-specialty	Male	>50K	Separated	White	Masters	Local-gov	51	1
1788	Exec-managerial	Female	<=50K	Divorced	White	Doctorate	State-gov	51	1
4077	Other-service	Male	<=50K	Divorced	Black	11th	Local-gov	47	1

Synthetic									
	occupation	sex	income	`marital.status`	race	education	workclass	age	count
1012	Adm-clerical	Male	<=50K	Separated	White	Some-college	State-gov	67.000000	1.000000
4014	Other-service	Female	<=50K	Widowed	White	HS-grad	Private	2790.000000	49.000000
5456	Prof-specialty	Male	>50K	Separated	White	Masters	Local-gov	47.000000	1.000000
1788	Exec-managerial	Female	<=50K	Divorced	White	Doctorate	State-gov	62.000000	1.000000
4077	Other-service	Male	<=50K	Divorced	Black	11th	Local-gov	nan	nan

SQL for Real:
SELECT occupation,sex,income,`marital.status`,race,education,workclass,SUM(age), COUNT(*) FROM C1 GROUP BY occupation,sex,income,`marital.status`,race,education,workclass

Resulted in 7145 records

SQL for Synthetic:
SELECT occupation,sex,income,`marital.status`,race,education,workclass,SUM(age), COUNT(*) FROM C1_syn_06 GROUP BY occupation,sex,income,`marital.status`,race,education,workclass

Resulted in 6386 records

Normalized Euclidean distance for (age): 62.59

Hellinger Distance: 0.289

=====

Real			
	`native.country`	capital	count
32	Portugal	5178	67
3	China	99999	122
27	Nicaragua	3887	49
22	Italy	20051	105
17	Hong	15024	30

Synthetic			
	`native.country`	capital	count
32	Portugal	122.067401	2.000000
3	China	262.346894	94.000000
27	Nicaragua	294.797976	184.000000
22	Italy	124.148738	9.000000
17	Hong	nan	nan

SQL for Real:
SELECT `native.country`,MAX(capital), COUNT(*) FROM C1 GROUP BY `native.country`

Resulted in 42 records

SQL for Synthetic:
SELECT `native.country`,MAX(capital), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`
Resulted in 41 records

Normalized Euclidean distance for (capital): 6.4

Hellinger Distance: 0.396

=====

Real									
	workclass	relationship	`native.country`	sex	income	`marital.status`	occupation	fnlwgt	count
4401	Private	Unmarried	Hungary	Female	<=50K	Never-married	Transport-moving	nan	nan
1970	Private	Husband	Puerto-Rico	Male	<=50K	Married-spouse-absent	Prof-specialty	nan	nan
6590	State-gov	Own-child	Laos	Male	<=50K	Never-married	Adm-clerical	nan	nan
1391	Local-gov	Own-child	United-States	Male	<=50K	Never-married	Farming-fishing	332249.000000	10.000000
259	?	Unmarried	Japan	Female	<=50K	Divorced	Machine-op-inspct	nan	nan

Synthetic									
	workclass	relationship	`native.country`	sex	income	`marital.status`	occupation	fnlwgt	count
4401	Private	Unmarried	Hungary	Female	<=50K	Never-married	Transport-moving	183116.218862	1
1970	Private	Husband	Puerto-Rico	Male	<=50K	Married-spouse-absent	Prof-specialty	170348.457060	1
6590	State-gov	Own-child	Laos	Male	<=50K	Never-married	Adm-clerical	179514.759314	1
1391	Local-gov	Own-child	United-States	Male	<=50K	Never-married	Farming-fishing	189447.483094	8
259	?	Unmarried	Japan	Female	<=50K	Divorced	Machine-op-inspct	178105.482200	1

SQL for Real:
SELECT workclass,relationship,`native.country`,sex,income,`marital.status`,occupation,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY workclass,relationship,`native.country`,sex,income,`marital.status`,occupation
Resulted in 4878 records

SQL for Synthetic:
SELECT workclass,relationship,`native.country`,sex,income,`marital.status`,occupation,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY workclass,relationship,`native.country`,sex,income,`marital.status`,occupation
Resulted in 6808 records

Normalized Euclidean distance for (fnlwgt): 45.73

Hellinger Distance: 0.482

=====

Real							
	income	workclass	race	occupation	`native.country`	`marital.status`	capital count
1312	<=50K	Private	Asian-Pac-Islander	Other-service	Ireland	Married-civ-spouse	nan nan
1341	<=50K	Private	Asian-Pac-Islander	Prof-specialty	Columbia	Divorced	nan nan
2898	<=50K	Private	White	Sales	Ecuador	Never-married	nan nan
3195	<=50K	Self-emp-inc	White	Craft-repair	Columbia	Married-civ-spouse	nan nan
4136	<=50K	State-gov	White	Transport-moving	Columbia	Married-civ-spouse	nan nan

Synthetic							
	income	workclass	race	occupation	`native.country`	`marital.status`	capital count
1312	<=50K	Private	Asian-Pac-Islander	Other-service	Ireland	Married-civ-spouse	-188.623797 1
1341	<=50K	Private	Asian-Pac-Islander	Prof-specialty	Columbia	Divorced	206.041992 1
2898	<=50K	Private	White	Sales	Ecuador	Never-married	278.022809 12
3195	<=50K	Self-emp-inc	White	Craft-repair	Columbia	Married-civ-spouse	19.109056 2
4136	<=50K	State-gov	White	Transport-moving	Columbia	Married-civ-spouse	81.476716 1

SQL for Real:
SELECT income,workclass,race,occupation,`native.country`,`marital.status`,MAX(capital), COUNT(*) FROM C1 GROUP BY income,workclass,race,occupation,`native.country`,`marital.status`
Resulted in 3734 records

SQL for Synthetic:
SELECT income,workclass,race,occupation,`native.country`,`marital.status`,MAX(capital), COUNT(*) FROM C1_syn_06 GROUP BY income,workclass,race,occupation,`native.country`,`marital.status`
Resulted in 4911 records

Normalized Euclidean distance for (capital): 39.97

Hellinger Distance: 0.476

=====

Real						
	race	`native.country`	education	sex	capital	count
1048	White	Jamaica	9th	Female	nan	nan
1077	White	Japan	HS-grad	Male	9472.000000	5.000000
163	Asian-Pac-Islander	Laos	Assoc-voc	Female	nan	nan
1031	White	Ireland	HS-grad	Female	0.000000	3.000000
671	Other	Puerto-Rico	Prof-school	Male	nan	nan

		Synthetic				
	race	`native.country`	education	sex	capital	count
1048	White	Jamaica	9th	Female	-35.617099	1
1077	White	Japan	HS-grad	Male	-3709.139058	275
163	Asian-Pac-Islander	Laos	Assoc-voc	Female	-212.294102	1
1031	White	Ireland	HS-grad	Female	408.690922	37
671	Other	Puerto-Rico	Prof-school	Male	21.705955	1

SQL for Real:
SELECT race,`native.country`,education,sex,SUM(capital), COUNT(*) FROM C1 GROUP BY race,`native.country`,education,sex
Resulted in 1171 records

SQL for Synthetic:
SELECT race,`native.country`,education,sex,SUM(capital), COUNT(*) FROM C1_syn_06 GROUP BY race,`native.country`,education,sex
Resulted in 1368 records

Normalized Euclidean distance for (capital): 24.76

Hellinger Distance: 0.428

=====

		Real	
	education	fnlwgt	count
2	12th	197538.184170	657
12	Masters	181480.074896	2657
0	10th	196532.558675	1389
4	5th-6th	229858.791749	509
7	Assoc-acdm	193700.075578	1601

		Synthetic	
	education	fnlwgt	count
2	12th	187614.998110	626.000000
12	Masters	177106.686122	2810.000000
0	10th	177291.796309	1430.000000
4	5th-6th	178682.695677	342.000000
7	Assoc-acdm	181913.434789	1755.000000

SQL for Real:
SELECT education,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY education
Resulted in 16 records

SQL for Synthetic:
SELECT education,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY education
Resulted in 16 records

Normalized Euclidean distance for (fnlwgt): 4.0

Hellinger Distance: 0.026

=====

			Real							
	income	`native.country`	workclass	education	race	occupation	`marital.status`	relationship	age	count
12493	<=50K	United-States	Self-emp-inc	HS-grad	White	Sales	Married-civ-spouse	Other-relative	nan	nan
12028	<=50K	United-States	Private	Some-college	Black	Handlers-cleaners	Never-married	Other-relative	nan	nan
4196	<=50K	Laos	Private	Masters	White	Exec-managerial	Never-married	Not-in-family	nan	nan
11579	<=50K	United-States	Private	HS-grad	White	Craft-repair	Separated	Not-in-family	38.375000	24.000000
14111	>50K	Japan	Private	HS-grad	Black	Machine-op-inspct	Married-civ-spouse	Husband	nan	nan

				Synthetic						
	income	`native.country`	workclass	education	race	occupation	`marital.status`	relationship	age	count
12493	<=50K	United-States	Self-emp-inc	HS-grad	White	Sales	Married-civ-spouse	Other-relative	28.000000	1
12028	<=50K	United-States	Private	Some-college	Black	Handlers-cleaners	Never-married	Other-relative	25.333333	3
4196	<=50K	Laos	Private	Masters	White	Exec-managerial	Never-married	Not-in-family	28.000000	2
11579	<=50K	United-States	Private	HS-grad	White	Craft-repair	Separated	Not-in-family	39.076923	13
14111	>50K	Japan	Private	HS-grad	Black	Machine-op-inspct	Married-civ-spouse	Husband	40.000000	1

SQL for Real:
SELECT income,`native.country`,workclass,education,race,occupation,`marital.status`,relationship,AVG(age), COUNT(*) FROM C1 GROUP BY income,`native.country`,workclass,education,race,occupation,`marital.status`,relationship
Resulted in 11324 records

SQL for Synthetic:
SELECT income,`native.country`,workclass,education,race,occupation,`marital.status`,relationship,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY income,`native.country`,workclass,education,race,occupation,`marital.status`,relationship
Resulted in 15410 records

Normalized Euclidean distance for (age): 62.14

Hellinger Distance: 0.538

=====

Real						
	relationship	income	race	occupation	age	count
93	Husband	>50K	Black	Handlers-cleaners	27	13
512	Wife	<=50K	Amer-Indian-Eskimo	Exec-managerial	24	1
545	Wife	<=50K	Other	Machine-op-inspct	24	4
386	Own-child	<=50K	White	Transport-moving	17	194
521	Wife	<=50K	Asian-Pac-Islander	Exec-managerial	27	5

Synthetic						
	relationship	income	race	occupation	age	count
93	Husband	>50K	Black	Handlers-cleaners	28.000000	5.000000
512	Wife	<=50K	Amer-Indian-Eskimo	Exec-managerial	nan	nan
545	Wife	<=50K	Other	Machine-op-inspct	32.000000	2.000000
386	Own-child	<=50K	White	Transport-moving	17.000000	220.000000
521	Wife	<=50K	Asian-Pac-Islander	Exec-managerial	25.000000	8.000000

SQL for Real:
SELECT relationship,income,race,occupation,MIN(age), COUNT(*) FROM C1 GROUP BY relationship,income,race,occupation
Resulted in 608 records

SQL for Synthetic:
SELECT relationship,income,race,occupation,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY relationship,income,race,occupation
Resulted in 511 records

Normalized Euclidean distance for (age): 22.02

Hellinger Distance: 0.176

=====

Real				
	education	`marital.status`	fnlwgt	count
57	Bachelors	Divorced	183708.214709	843
92	Prof-school	Married-civ-spouse	189783.506711	596
89	Preschool	Widowed	244417.800000	5
59	Bachelors	Married-civ-spouse	187092.705754	4136
70	Doctorate	Widowed	178553.384615	13

Synthetic				
	education	`marital.status`	fnlwgt	count
57	Bachelors	Divorced	178357.999267	882.000000
92	Prof-school	Married-civ-spouse	172431.853565	614.000000
89	Preschool	Widowed	166876.754434	4.000000
59	Bachelors	Married-civ-spouse	178859.244094	4102.000000
70	Doctorate	Widowed	171632.909668	7.000000

SQL for Real:
SELECT education,`marital.status`,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY education,`marital.status`
Resulted in 104 records

SQL for Synthetic:
SELECT education,`marital.status`,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY education,`marital.status`
Resulted in 101 records

Normalized Euclidean distance for (fnlwgt): 10.0

Hellinger Distance: 0.035

=====

Real							
	occupation	`marital.status`	race	relationship	education	age	count
2704	Other-service	Never-married	Asian-Pac-Islander	Own-child	HS-grad	18	8
445	Adm-clerical	Divorced	White	Not-in-family	Masters	31	7
3956	Sales	Separated	White	Unmarried	12th	34	1
1204	Exec-managerial	Divorced	Asian-Pac-Islander	Not-in-family	HS-grad	37	1
3402	Prof-specialty	Separated	White	Not-in-family	Masters	32	11

Synthetic							
	occupation	`marital.status`	race	relationship	education	age	count
2704	Other-service	Never-married	Asian-Pac-Islander	Own-child	HS-grad	34.000000	2.000000
445	Adm-clerical	Divorced	White	Not-in-family	Masters	25.000000	15.000000
3956	Sales	Separated	White	Unmarried	12th	nan	nan
1204	Exec-managerial	Divorced	Asian-Pac-Islander	Not-in-family	HS-grad	nan	nan
3402	Prof-specialty	Separated	White	Not-in-family	Masters	33.000000	10.000000

SQL for Real:
SELECT occupation,`marital.status`,race,relationship,education,MIN(age), COUNT(*) FROM C1 GROUP BY occupation,`marital.status`,race,relationship,education
Resulted in 4464 records

SQL for Synthetic:
SELECT occupation,`marital.status`,race,relationship,education,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY occupation,`marital.status`,race,relationship,education
Resulted in 4151 records

Normalized Euclidean distance for (age): 52.97

Hellinger Distance: 0.185

=====

Real				
	income	workclass	fnlwgt	count
7	>50K	?	584259	267
10	>50K	Private	1226583	7387
13	>50K	State-gov	764638	530
2	<=50K	Local-gov	1125613	2209
12	>50K	Self-emp-not-inc	607848	1077

Synthetic				
	income	workclass	fnlwgt	count
7	>50K	?	1330514.072832	95.000000
10	>50K	Private	1362953.001310	2930.000000
13	>50K	State-gov	1340619.957202	230.000000
2	<=50K	Local-gov	1351242.858809	2683.000000
12	>50K	Self-emp-not-inc	196233.581006	433.000000

SQL for Real:
SELECT income,workclass,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY income,workclass
Resulted in 14 records

SQL for Synthetic:
SELECT income,workclass,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY income,workclass
Resulted in 14 records

Normalized Euclidean distance for (fnlwgt): 3.74
Hellinger Distance: 0.138

=====

Real						
	education	occupation	relationship	sex	`hours.per.week`	count
1078	HS-grad	Adm-clerical	Not-in-family	Male	6.000000	132.000000
1246	Masters	Craft-repair	Not-in-family	Male	40.000000	4.000000
1450	Some-college	Farming-fishing	Unmarried	Female	25.000000	7.000000
341	1st-4th	Handlers-cleaners	Not-in-family	Male	37.000000	4.000000
1366	Prof-school	Machine-op-inspct	Own-child	Female	nan	nan

Synthetic						
	education	occupation	relationship	sex	`hours.per.week`	count
1078	HS-grad	Adm-clerical	Not-in-family	Male	38.933067	139
1246	Masters	Craft-repair	Not-in-family	Male	39.964770	11
1450	Some-college	Farming-fishing	Unmarried	Female	39.950302	6
341	1st-4th	Handlers-cleaners	Not-in-family	Male	39.998806	2
1366	Prof-school	Machine-op-inspct	Own-child	Female	39.979876	1

SQL for Real:
SELECT education,occupation,relationship,sex,MIN(`hours.per.week`), COUNT(*) FROM C1 GROUP BY education,occupation,relationship,sex
Resulted in 1503 records

SQL for Synthetic:
SELECT education,occupation,relationship,sex,MIN(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY education,occupation,relationship,sex
Resulted in 1539 records

Normalized Euclidean distance for (`hours.per.week`): 35.87
Hellinger Distance: 0.102

=====

Real											
	occupation	`marital.status`	relationship	education	income	workclass	race	`native.country`	sex	`hours.per.week`	count
9510	Other-service	Divorced	Unmarried	HS-grad	<=50K	Self-emp-not-inc	Black	United-States	Female	nan	nan
15293	Sales	Never-married	Own-child	HS-grad	<=50K	Private	Black	Nicaragua	Female	nan	nan
12767	Prof-specialty	Never-married	Not-in-family	Doctorate	>50K	Self-emp-inc	White	Puerto-Rico	Male	nan	nan
11253	Priv-house-serv	Never-married	Unmarried	5th-6th	<=50K	Private	White	United-States	Female	nan	nan
15100	Sales	Never-married	Not-in-family	Some-college	<=50K	Private	White	Ireland	Female	nan	nan

Synthetic											
	occupation	`marital.status`	relationship	education	income	workclass	race	`native.country`	sex	`hours.per.week`	count
9510	Other-service	Divorced	Unmarried	HS-grad	<=50K	Self-emp-not-inc	Black	United-States	Female	39.966967	1
15293	Sales	Never-married	Own-child	HS-grad	<=50K	Private	Black	Nicaragua	Female	39.450803	3
12767	Prof-specialty	Never-married	Not-in-family	Doctorate	>50K	Self-emp-inc	White	Puerto-Rico	Male	40.212530	1
11253	Priv-house-serv	Never-married	Unmarried	5th-6th	<=50K	Private	White	United-States	Female	40.014485	1
15100	Sales	Never-married	Not-in-family	Some-college	<=50K	Private	White	Ireland	Female	39.984600	1

SQL for Real:
SELECT occupation`,`marital.status`,`relationship,education,income,workclass,race`,`native.country`,`sex,MIN(`hours.per.week`), COUNT(*) FROM C1 GROUP BY occupation`,`marital.status`,`relationship,education,income,workclass,race`,`native.country`,`sex
Resulted in 12664 records

SQL for Synthetic:
SELECT occupation`,`marital.status`,`relationship,education,income,workclass,race`,`native.country`,`sex,MIN(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY occupation`,`marital.status`,`relationship,education,income,workclass,race`,`native.country`,`sex
Resulted in 17127 records

Normalized Euclidean distance for (`hours.per.week`): 64.61

Hellinger Distance: 0.549

=====

Real								
	sex	occupation	relationship	income	workclass	race	capital	count
450	Female	Other-service	Not-in-family	>50K	Private	White	105789	8
912	Male	?	Husband	<=50K	?	Black	2410	33
372	Female	Handlers-cleaners	Unmarried	<=50K	Local-gov	Black	0	1
1106	Male	Craft-repair	Not-in-family	<=50K	Private	White	40970	722
1655	Male	Priv-house-serv	Other-relative	<=50K	Private	White	0	2

Synthetic								
	sex	occupation	relationship	income	workclass	race	capital	count
450	Female	Other-service	Not-in-family	>50K	Private	White	-364.324528	6.000000
912	Male	?	Husband	<=50K	?	Black	312.797875	21.000000
372	Female	Handlers-cleaners	Unmarried	<=50K	Local-gov	Black	-51.790690	2.000000
1106	Male	Craft-repair	Not-in-family	<=50K	Private	White	2118.500694	729.000000
1655	Male	Priv-house-serv	Other-relative	<=50K	Private	White	nan	nan

SQL for Real:

SELECT sex,occupation,relationship,income,workclass,race,SUM(capital), COUNT(*) FROM C1 GROUP BY sex,occupation,relationship,income,workclass,race

Resulted in 2132 records

SQL for Synthetic:

SELECT sex,occupation,relationship,income,workclass,race,SUM(capital), COUNT(*) FROM C1_syn_06 GROUP BY sex,occupation,relationship,income,workclass,race

Resulted in 1881 records

Normalized Euclidean distance for (capital): 38.0

Hellinger Distance: 0.206

=====

Real			
	workclass	`hours.per.week`	count
4	Self-emp-inc	82327	1695
5	Self-emp-not-inc	171454	3862
6	State-gov	77439	1981
1	Federal-gov	59447	1432
3	Private	1365501	33906

Synthetic			
	workclass	`hours.per.week`	count
4	Self-emp-inc	66101.036292	1645.000000
5	Self-emp-not-inc	153032.465823	3818.000000
6	State-gov	79189.970518	1982.000000
1	Federal-gov	57003.626201	1426.000000
3	Private	1360644.696869	34022.000000

SQL for Real:

SELECT workclass,SUM(`hours.per.week`), COUNT(*) FROM C1 GROUP BY workclass

Resulted in 7 records

SQL for Synthetic:

SELECT workclass,SUM(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY workclass

Resulted in 7 records

Normalized Euclidean distance for (`hours.per.week`): 2.65

Hellinger Distance: 0.003

=====

Real										
	relationship	`marital.status`	race	occupation	education	sex	workclass	`native.country`	capital	count
10070	Own-child	Never-married	Asian-Pac-Islander	?	Some-college	Female	?	?	nan	nan
10510	Own-child	Never-married	Other	Adm-clerical	HS-grad	Female	Private	United-States	nan	nan
7514	Not-in-family	Never-married	White	Tech-support	HS-grad	Male	Private	Puerto-Rico	nan	nan
14071	Unmarried	Never-married	White	Sales	HS-grad	Female	Private	China	nan	nan
14954	Unmarried	Widowed	White	Tech-support	HS-grad	Female	Private	Puerto-Rico	nan	nan

Synthetic										
	relationship	`marital.status`	race	occupation	education	sex	workclass	`native.country`	capital	count
10070	Own-child	Never-married	Asian-Pac-Islander	?	Some-college	Female	?	?	-5.257136	1
10510	Own-child	Never-married	Other	Adm-clerical	HS-grad	Female	Private	United-States	61.306068	1
7514	Not-in-family	Never-married	White	Tech-support	HS-grad	Male	Private	Puerto-Rico	-68.835725	1
14071	Unmarried	Never-married	White	Sales	HS-grad	Female	Private	China	-124.853495	1
14954	Unmarried	Widowed	White	Tech-support	HS-grad	Female	Private	Puerto-Rico	-59.072154	2

SQL for Real:

SELECT relationship,`marital.status`,race,occupation,education,sex,workclass,`native.country`,SUM(capital), COUNT(*) FROM C1 GROUP BY relationship,`marital.status`,race,occupation,education,sex,workclass,`native.country`

Resulted in 11374 records

SQL for Synthetic:

SELECT relationship,`marital.status`,race,occupation,education,sex,workclass,`native.country`,SUM(capital), COUNT(*) FROM C1_syn_06 GROUP BY relationship,`marital.status`,race,occupation,education,sex,workclass,`native.country`

Resulted in 15994 records

Normalized Euclidean distance for (capital): 63.12

Hellinger Distance: 0.53

=====

Real			
	`native.country`	age	count
36	Taiwan	34.184615	65
29	Peru	36.434783	46
37	Thailand	37.666667	30
2	Canada	44.049451	182
39	United-States	38.698690	43832

Synthetic			
	`native.country`	age	count
36	Taiwan	47.344595	148.000000
29	Peru	39.286661	1207.000000
37	Thailand	22.848341	211.000000
2	Canada	26.833333	84.000000
39	United-States	36.402528	27931.000000

SQL for Real:
SELECT `native.country`,AVG(age), COUNT(*) FROM C1 GROUP BY `native.country`

Resulted in 42 records

SQL for Synthetic:
SELECT `native.country`,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`

Resulted in 41 records

Normalized Euclidean distance for (age): 6.4

Hellinger Distance: 0.396

=====

Real										
	sex	occupation	race	education	income	`marital.status`	`native.country`	workclass	age	count
8562	Male	Exec-managerial	White	HS-grad	<=50K	Separated	Puerto-Rico	Private	nan	nan
3790	Female	Other-service	White	Some-college	>50K	Separated	Hungary	Private	nan	nan
11574	Male	Prof-specialty	White	Masters	<=50K	Married-civ-spouse	?	State-gov	28.000000	1.000000
7877	Male	Craft-repair	White	Some-college	>50K	Married-civ-spouse	Japan	Private	nan	nan
4605	Female	Prof-specialty	White	Masters	<=50K	Never-married	Puerto-Rico	Local-gov	nan	nan

Synthetic										
	sex	occupation	race	education	income	`marital.status`	`native.country`	workclass	age	count
8562	Male	Exec-managerial	White	HS-grad	<=50K	Separated	Puerto-Rico	Private	38	1
3790	Female	Other-service	White	Some-college	>50K	Separated	Hungary	Private	43	1
11574	Male	Prof-specialty	White	Masters	<=50K	Married-civ-spouse	?	State-gov	43	2
7877	Male	Craft-repair	White	Some-college	>50K	Married-civ-spouse	Japan	Private	39	1
4605	Female	Prof-specialty	White	Masters	<=50K	Never-married	Puerto-Rico	Local-gov	33	6

SQL for Real:
SELECT sex,occupation,race,education,income,`marital.status`,`native.country`,workclass,MIN(age), COUNT(*) FROM C1 GROUP BY sex,occupation,race,education,income,`marital.status`,`native.country`,workclass

Resulted in 10025 records

SQL for Synthetic:
SELECT sex,occupation,race,education,income,`marital.status`,`native.country`,workclass,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY sex,occupation,race,education,income,`marital.status`,`native.country`,workclass

Resulted in 13875 records

Normalized Euclidean distance for (age): 59.76

Hellinger Distance: 0.527

=====

Real								
	workclass	race	relationship	`native.country`	sex	occupation	capital	count
5462	State-gov	White	Own-child	Columbia	Female	Adm-clerical	nan	nan
356	Federal-gov	Black	Not-in-family	Jamaica	Female	Prof-specialty	nan	nan
4835	Self-emp-not-inc	White	Not-in-family	?	Male	Farming-fishing	0.000000	2.000000
673	Federal-gov	White	Unmarried	United-States	Male	Exec-managerial	2204.500000	6.000000
4535	Self-emp-inc	White	Unmarried	?	Female	Prof-specialty	nan	nan

Synthetic								
	workclass	race	relationship	`native.country`	sex	occupation	capital	count
5462	State-gov	White	Own-child	Columbia	Female	Adm-clerical	-24.634660	1
356	Federal-gov	Black	Not-in-family	Jamaica	Female	Prof-specialty	175.648484	1
4835	Self-emp-not-inc	White	Not-in-family	?	Male	Farming-fishing	27.793069	2
673	Federal-gov	White	Unmarried	United-States	Male	Exec-managerial	173.957275	1
4535	Self-emp-inc	White	Unmarried	?	Female	Prof-specialty	54.366888	1

SQL for Real:
SELECT workclass,race,relationship,`native.country`,sex,occupation,AVG(capital), COUNT(*) FROM C1 GROUP BY workclass,race,relationship,`native.country`,sex,occupation
Resulted in 3919 records

SQL for Synthetic:
SELECT workclass,race,relationship,`native.country`,sex,occupation,AVG(capital), COUNT(*) FROM C1_syn_06 GROUP BY workclass,race,relationship,`native.country`,sex,occupation
Resulted in 5595 records

Normalized Euclidean distance for (capital): 41.82

Hellinger Distance: 0.463

=====

Real						
	relationship	`native.country`	education	workclass	capital	count
251	Husband	Hungary	Assoc-voc	Local-gov	nan	nan
1786	Other-relative	United-States	5th-6th	Self-emp-not-inc	nan	nan
2645	Unmarried	Peru	Masters	Local-gov	nan	nan
1760	Other-relative	Scotland	Some-college	Local-gov	nan	nan
1362	Not-in-family	Puerto-Rico	Bachelors	Private	0.000000	2.000000

Synthetic						
	relationship	`native.country`	education	workclass	capital	count
251	Husband	Hungary	Assoc-voc	Local-gov	82.918198	1
1786	Other-relative	United-States	5th-6th	Self-emp-not-inc	-56.972206	1
2645	Unmarried	Peru	Masters	Local-gov	-16.168854	1
1760	Other-relative	Scotland	Some-college	Local-gov	-6.715164	2
1362	Not-in-family	Puerto-Rico	Bachelors	Private	4.662578	219

SQL for Real:
SELECT relationship,`native.country`,education,workclass,AVG(capital), COUNT(*) FROM C1 GROUP BY relationship,`native.country`,education,workclass
Resulted in 2547 records

SQL for Synthetic:
SELECT relationship,`native.country`,education,workclass,AVG(capital), COUNT(*) FROM C1_syn_06 GROUP BY relationship,`native.country`,education,workclass
Resulted in 3287 records

Normalized Euclidean distance for (capital): 35.03

Hellinger Distance: 0.437

=====

Real			
	occupation	fnlwgt	count
3	Craft-repair	19302	6112
4	Exec-managerial	13769	6086
9	Priv-house-serv	22406	242
2	Armed-Forces	76313	15
6	Handlers-cleaners	19214	2072

Synthetic			
	occupation	fnlwgt	count
3	Craft-repair	132974.972969	5926.000000
4	Exec-managerial	121336.094168	6095.000000
9	Priv-house-serv	138109.939556	223.000000
2	Armed-Forces	162713.581466	121.000000
6	Handlers-cleaners	139621.315300	2129.000000

SQL for Real:
SELECT occupation,MIN(fnlwgt), COUNT(*) FROM C1 GROUP BY occupation
Resulted in 15 records

SQL for Synthetic:
SELECT occupation,MIN(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY occupation
Resulted in 15 records

Normalized Euclidean distance for (fnlwgt): 3.87

Hellinger Distance: 0.027

=====

Real										
	income	occupation	relationship	workclass	education	race	`native.country`	sex	`hours.per.week`	count
11933	<=50K	Transport-moving	Not-in-family	Private	Bachelors	White	Laos	Male	nan	nan
6465	<=50K	Machine-op-inspct	Unmarried	Private	Some-college	Other	United-States	Female	nan	nan
4410	<=50K	Exec-managerial	Unmarried	Private	Bachelors	White	United-States	Female	40.567568	37.000000
6097	<=50K	Machine-op-inspct	Not-in-family	Private	HS-grad	White	?	Male	nan	nan
9483	<=50K	Prof-specialty	Wife	Private	HS-grad	Black	Laos	Female	nan	nan

Synthetic										
	income	occupation	relationship	workclass	education	race	`native.country`	sex	`hours.per.week`	count
11933	<=50K	Transport-moving	Not-in-family	Private	Bachelors	White	Laos	Male	40.224536	1
6465	<=50K	Machine-op-inspct	Unmarried	Private	Some-college	Other	United-States	Female	40.059249	1
4410	<=50K	Exec-managerial	Unmarried	Private	Bachelors	White	United-States	Female	39.983609	20
6097	<=50K	Machine-op-inspct	Not-in-family	Private	HS-grad	White	?	Male	39.992386	4
9483	<=50K	Prof-specialty	Wife	Private	HS-grad	Black	Laos	Female	39.994116	1

SQL for Real:

SELECT income,occupation,relationship,workclass,education,race,`native.country`,sex,AVG(`hours.per.week`), COUNT(*) FROM C1 GROUP BY income,occupation,relationship,workclass,education,race,`native.country`,sex

Resulted in 9992 records

SQL for Synthetic:

SELECT income,occupation,relationship,workclass,education,race,`native.country`,sex,AVG(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY income,occupation,relationship,workclass,education,race,`native.country`,sex

Resulted in 13906 records

Normalized Euclidean distance for (`hours.per.week`): 60.46

Hellinger Distance: 0.528

=====

Real						
	income	workclass	race	relationship	`marital.status`	fnlwgt count
497	<=50K	State-gov	White	Husband	Married-civ-spouse	21412 326
336	<=50K	Private	White	Own-child	Widowed	57827 13
667	>50K	Private	White	Unmarried	Widowed	34269 25
379	<=50K	Self-emp-inc	White	Unmarried	Widowed	46577 10
169	<=50K	Local-gov	Asian-Pac-Islander	Unmarried	Divorced	73199 4

Synthetic						
	income	workclass	race	relationship	`marital.status`	fnlwgt count
497	<=50K	State-gov	White	Husband	Married-civ-spouse	123630.347178 509.000000
336	<=50K	Private	White	Own-child	Widowed	164093.336246 18.000000
667	>50K	Private	White	Unmarried	Widowed	152336.175644 10.000000
379	<=50K	Self-emp-inc	White	Unmarried	Widowed	143919.539628 11.000000
169	<=50K	Local-gov	Asian-Pac-Islander	Unmarried	Divorced	180914.746175 2.000000

SQL for Real:

SELECT income,workclass,race,relationship,`marital.status`,MIN(fnlwgt), COUNT(*) FROM C1 GROUP BY income,workclass,race,relationship,`marital.status`

Resulted in 767 records

SQL for Synthetic:

SELECT income,workclass,race,relationship,`marital.status`,MIN(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY income,workclass,race,relationship,`marital.status`

Resulted in 685 records

Normalized Euclidean distance for (fnlwgt): 23.41

Hellinger Distance: 0.173

=====

Real					
	income	race	`marital.status`	`native.country`	`hours.per.week` count
390	<=50K	White	Married-spouse-absent	Scotland	nan nan
134	<=50K	Black	Married-civ-spouse	?	1108.000000 27.000000
601	>50K	White	Separated	United-States	3719.000000 80.000000
50	<=50K	Asian-Pac-Islander	Divorced	Yugoslavia	nan nan
168	<=50K	Black	Married-spouse-absent	Jamaica	224.000000 6.000000

Synthetic					
	income	race	`marital.status`	`native.country`	`hours.per.week` count
390	<=50K	White	Married-spouse-absent	Scotland	320.199928 8
134	<=50K	Black	Married-civ-spouse	?	1280.309417 32
601	>50K	White	Separated	United-States	600.793411 15
50	<=50K	Asian-Pac-Islander	Divorced	Yugoslavia	39.961838 1
168	<=50K	Black	Married-spouse-absent	Jamaica	40.011006 1

SQL for Real:

SELECT income,race,`marital.status`,`native.country`,SUM(`hours.per.week`), COUNT(*) FROM C1 GROUP BY income,race,`marital.status`,`native.country`

Resulted in 568 records

SQL for Synthetic:

SELECT income,race,`marital.status`,`native.country`,SUM(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY income,race,`marital.status`,`native.country`

Resulted in 606 records

Normalized Euclidean distance for (`hours.per.week`): 18.03

Hellinger Distance: 0.44

=====

Real

	`native.country`	occupation	fnlwgt	count
347	Philippines	Exec-managerial	355856	18
346	Philippines	Craft-repair	375313	22
224	India	Handlers-cleaners	357954	3
373	Portugal	Adm-clerical	216934	6
254	Italy	Craft-repair	420054	19

SQL for Real:
SELECT `native.country`,occupation,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY `native.country`,occupation

Resulted in 481 records

SQL for Synthetic:
SELECT `native.country`,occupation,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`,occupation

Resulted in 453 records

Normalized Euclidean distance for (fnlwgt): 19.34

Hellinger Distance: 0.396

=====

Real

	sex	occupation	race	fnlwgt	count
130	Male	Tech-support	Asian-Pac-Islander	8280669.000000	44.000000
115	Male	Prof-specialty	Asian-Pac-Islander	35560521.000000	211.000000
18	Female	Exec-managerial	Asian-Pac-Islander	9308021.000000	58.000000
57	Female	Sales	Asian-Pac-Islander	7973557.000000	60.000000
45	Female	Priv-house-serv	White	32820486.000000	167.000000

SQL for Real:
SELECT sex,occupation,race,SUM(fnlwgt), COUNT(*) FROM C1 GROUP BY sex,occupation,race

Resulted in 137 records

SQL for Synthetic:
SELECT sex,occupation,race,SUM(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY sex,occupation,race

Resulted in 139 records

Normalized Euclidean distance for (fnlwgt): 11.58

Hellinger Distance: 0.059

=====

Real

	occupation	race	income	capital	count
115	Tech-support	Amer-Indian-Eskimo	<=50K	-282.857143	7
62	Machine-op-inspct	Asian-Pac-Islander	>50K	899.250000	12
134	Transport-moving	White	>50K	1461.718605	430
33	Craft-repair	White	>50K	2552.527316	1263
31	Craft-repair	Other	>50K	920.111111	9

SQL for Real:
SELECT occupation,race,income,AVG(capital), COUNT(*) FROM C1 GROUP BY occupation,race,income

Resulted in 135 records

SQL for Synthetic:
SELECT occupation,race,income,AVG(capital), COUNT(*) FROM C1_syn_06 GROUP BY occupation,race,income

Resulted in 126 records

Normalized Euclidean distance for (capital): 11.05

Hellinger Distance: 0.156

=====

Real				
	`native.country`	fnlwgt	count	
21	Ireland	390746	37	
12	Greece	288229	49	
36	Taiwan	506329	65	
30	Philippines	554206	295	
8	El-Salvador	795830	155	

Synthetic				
	`native.country`	fnlwgt	count	
21	Ireland	196496.155005	384.000000	
12	Greece	208268.210536	4.000000	
36	Taiwan	200456.608706	148.000000	
30	Philippines	193607.294609	80.000000	
8	El-Salvador	1353982.527147	30.000000	

SQL for Real:
SELECT `native.country`,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY `native.country`
Resulted in 42 records

SQL for Synthetic:
SELECT `native.country`,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`
Resulted in 41 records

Normalized Euclidean distance for (fnlwgt): 6.4
Hellinger Distance: 0.396

=====

Real									
	sex	income	occupation	`marital.status`	race	workclass	`hours.per.week`	count	
2178	Male	>50K	Protective-serv	Married-civ-spouse	White	Private	78	28	
604	Female	<=50K	Sales	Divorced	Other	Private	40	3	
937	Female	>50K	Prof-specialty	Separated	Asian-Pac-Islander	Private	40	1	
1955	Male	>50K	Exec-managerial	Married-civ-spouse	Asian-Pac-Islander	Federal-gov	60	5	
1178	Male	<=50K	Craft-repair	Never-married	Other	Private	58	11	

Synthetic									
	sex	income	occupation	`marital.status`	race	workclass	`hours.per.week`	count	
2178	Male	>50K	Protective-serv	Married-civ-spouse	White	Private	40.058344	22.000000	
604	Female	<=50K	Sales	Divorced	Other	Private	nan	nan	
937	Female	>50K	Prof-specialty	Separated	Asian-Pac-Islander	Private	nan	nan	
1955	Male	>50K	Exec-managerial	Married-civ-spouse	Asian-Pac-Islander	Federal-gov	40.023201	2.000000	
1178	Male	<=50K	Craft-repair	Never-married	Other	Private	40.064599	12.000000	

SQL for Real:
SELECT sex,income,occupation,`marital.status`,race,workclass,MAX(`hours.per.week`), COUNT(*) FROM C1 GROUP BY sex,income,occupation,`marital.status`,race,workclass
Resulted in 2280 records

SQL for Synthetic:
SELECT sex,income,occupation,`marital.status`,race,workclass,MAX(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY sex,income,occupation,`marital.status`,race,workclass
Resulted in 1937 records

Normalized Euclidean distance for (`hours.per.week`): 38.38
Hellinger Distance: 0.21

=====

Real										
	`native.country`	relationship	sex	`marital.status`	race	occupation	education	age	count	
11253	United-States	Unmarried	Female	Never-married	White	Handlers-cleaners	Assoc-acdm	nan	nan	
857	Columbia	Husband	Male	Married-civ-spouse	Asian-Pac-Islander	Exec-managerial	Bachelors	nan	nan	
5974	Puerto-Rico	Not-in-family	Male	Divorced	Black	Transport-moving	Some-college	nan	nan	
3391	Japan	Not-in-family	Female	Separated	White	?	HS-grad	nan	nan	
7255	Puerto-Rico	Unmarried	Male	Divorced	White	Handlers-cleaners	HS-grad	nan	nan	

Synthetic										
	`native.country`	relationship	sex	`marital.status`	race	occupation	education	age	count	
11253	United-States	Unmarried	Female	Never-married	White	Handlers-cleaners	Assoc-acdm	49	2	
857	Columbia	Husband	Male	Married-civ-spouse	Asian-Pac-Islander	Exec-managerial	Bachelors	40	1	
5974	Puerto-Rico	Not-in-family	Male	Divorced	Black	Transport-moving	Some-college	51	1	
3391	Japan	Not-in-family	Female	Separated	White	?	HS-grad	38	1	
7255	Puerto-Rico	Unmarried	Male	Divorced	White	Handlers-cleaners	HS-grad	52	1	

SQL for Real:
SELECT `native.country`,relationship,sex,`marital.status`,race,occupation,education,SUM(age), COUNT(*) FROM C1 GROUP BY `native.country`,relationship,sex,`marital.status`,race,occupation,education
Resulted in 8385 records

SQL for Synthetic:
SELECT `native.country`,relationship,sex,`marital.status`,race,occupation,education,SUM(age), COUNT(*) FROM C1_syn_06 GROUP BY

`native.country`,`relationship`,`sex`,`marital.status`,`race`,`occupation`,`education`

Resulted in 12141 records

Normalized Euclidean distance for (age): 56.07

Hellinger Distance: 0.505

=====

Real					
	workclass	`marital.status`	`native.country`	fnlwgt	count
204	Local-gov	Married-civ-spouse	Puerto-Rico	312427	6
498	Self-emp-inc	Married-civ-spouse	Italy	373593	6
597	Self-emp-not-inc	Never-married	?	467936	16
513	Self-emp-inc	Married-spouse-absent	India	138370	1
123	Federal-gov	Married-civ-spouse	India	350387	4

Synthetic					
	workclass	`marital.status`	`native.country`	fnlwgt	count
204	Local-gov	Married-civ-spouse	Puerto-Rico	191359.137860	264.000000
498	Self-emp-inc	Married-civ-spouse	Italy	nan	nan
597	Self-emp-not-inc	Never-married	?	188340.990142	26.000000
513	Self-emp-inc	Married-spouse-absent	India	nan	nan
123	Federal-gov	Married-civ-spouse	India	nan	nan

SQL for Real:
SELECT workclass,`marital.status`,`native.country`,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY workclass,`marital.status`,`native.country`
Resulted in 705 records

SQL for Synthetic:
SELECT workclass,`marital.status`,`native.country`,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY workclass,`marital.status`,`native.country`
Resulted in 657 records

Normalized Euclidean distance for (fnlwgt): 19.92

Hellinger Distance: 0.399

=====

Real										
	workclass	race	relationship	`marital.status`	sex	occupation	education	income	capital	count
7484	Self-emp-inc	Asian-Pac-Islander	Other-relative	Married-civ-spouse	Female	Other-service	Bachelors	<=50K	0.000000	1
7338	Private	White	Wife	Married-civ-spouse	Female	Exec-managerial	HS-grad	>50K	1775.608696	23
2412	Private	Amer-Indian-Eskimo	Not-in-family	Divorced	Male	Craft-repair	HS-grad	<=50K	0.000000	2
2028	Local-gov	White	Not-in-family	Widowed	Female	Transport-moving	HS-grad	<=50K	0.000000	1
6942	Private	White	Unmarried	Never-married	Female	Other-service	11th	<=50K	0.000000	1

Synthetic										
	workclass	race	relationship	`marital.status`	sex	occupation	education	income	capital	count
7484	Self-emp-inc	Asian-Pac-Islander	Other-relative	Married-civ-spouse	Female	Other-service	Bachelors	<=50K	nan	nan
7338	Private	White	Wife	Married-civ-spouse	Female	Exec-managerial	HS-grad	>50K	-76.384177	10.000000
2412	Private	Amer-Indian-Eskimo	Not-in-family	Divorced	Male	Craft-repair	HS-grad	<=50K	nan	nan
2028	Local-gov	White	Not-in-family	Widowed	Female	Transport-moving	HS-grad	<=50K	94.075249	1.000000
6942	Private	White	Unmarried	Never-married	Female	Other-service	11th	<=50K	57.169051	6.000000

SQL for Real:
SELECT workclass,race,relationship,`marital.status`,`sex`,`occupation`,`education`,`income`,`AVG(capital)`, COUNT(*) FROM C1 GROUP BY workclass,race,relationship,`marital.status`,`sex`,`occupation`,`education`,`income`
Resulted in 9897 records

SQL for Synthetic:
SELECT workclass,race,relationship,`marital.status`,`sex`,`occupation`,`education`,`income`,`AVG(capital)`, COUNT(*) FROM C1_syn_06 GROUP BY workclass,race,relationship,`marital.status`,`sex`,`occupation`,`education`,`income`
Resulted in 9113 records

Normalized Euclidean distance for (capital): 69.99

Hellinger Distance: 0.328

=====

Real			
	`marital.status`	age	count
4	Never-married	90	16117
5	Separated	90	1530
3	Married-spouse-absent	87	628
2	Married-civ-spouse	90	22379
1	Married-AF-spouse	75	37

Synthetic			
	`marital.status`	age	count
4	Never-married	90.000000	16343.000000
5	Separated	90.000000	1504.000000
3	Married-spouse-absent	87.000000	540.000000
2	Married-civ-spouse	90.000000	22152.000000
1	Married-AF-spouse	50.000000	8.000000

SQL for Real:

SELECT `marital.status`,MAX(age), COUNT(*) FROM C1 GROUP BY `marital.status`
Resulted in 7 records

SQL for Synthetic:
SELECT `marital.status`,MAX(age), COUNT(*) FROM C1_syn_06 GROUP BY `marital.status`
Resulted in 7 records

Normalized Euclidean distance for (age): 2.65

Hellinger Distance: 0.013

=====

Real				
	`native.country`	fnlwgt	count	
5	Cuba	48853	138	
7	Ecuador	61298	45	
20	Iran	35864	59	
10	France	29235	38	
18	Hungary	114263	19	

Synthetic				
	`native.country`	fnlwgt	count	
5	Cuba	179577.687682	12.000000	
7	Ecuador	177899.523835	200.000000	
20	Iran	179545.975184	205.000000	
10	France	182709.774219	1.000000	
18	Hungary	179550.245039	1045.000000	

SQL for Real:
SELECT `native.country`,MIN(fnlwgt), COUNT(*) FROM C1 GROUP BY `native.country`
Resulted in 42 records

SQL for Synthetic:
SELECT `native.country`,MIN(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`
Resulted in 41 records

Normalized Euclidean distance for (fnlwgt): 6.4

Hellinger Distance: 0.396

=====

Real						
	race	income	`native.country`	sex	age	count
333	White	>50K	Portugal	Female	24.000000	2.000000
149	Black	<=50K	Vietnam	Female	nan	nan
58	Asian-Pac-Islander	<=50K	Philippines	Male	18.000000	108.000000
302	White	>50K	Cuba	Male	30.000000	29.000000
254	White	<=50K	Iran	Female	22.000000	10.000000

Synthetic						
	race	income	`native.country`	sex	age	count
333	White	>50K	Portugal	Female	83	1
149	Black	<=50K	Vietnam	Female	20	2
58	Asian-Pac-Islander	<=50K	Philippines	Male	31	4
302	White	>50K	Cuba	Male	35	3
254	White	<=50K	Iran	Female	23	46

SQL for Real:
SELECT race,income,`native.country`,sex,MIN(age), COUNT(*) FROM C1 GROUP BY race,income,`native.country`,sex
Resulted in 325 records

SQL for Synthetic:
SELECT race,income,`native.country`,sex,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY race,income,`native.country`,sex
Resulted in 344 records

Normalized Euclidean distance for (age): 14.56

Hellinger Distance: 0.434

=====

Real				
	income	sex	`native.country`	`hours.per.week` count
71	<=50K	Male	Philippines	4403 115
24	<=50K	Female	Japan	931 25
50	<=50K	Male	El-Salvador	3382 91
29	<=50K	Female	Peru	645 17
23	<=50K	Female	Jamaica	2077 55

Synthetic				
income	sex	`native.country`	`hours.per.week`	count
71 <=50K	Male	Philippines	481.874109	12.000000
24 <=50K	Female	Japan	13115.709789	328.000000
50 <=50K	Male	El-Salvador	398.024997	10.000000
29 <=50K	Female	Peru	15772.970632	395.000000
23 <=50K	Female	Jamaica	2080.429446	52.000000

SQL for Real:
SELECT income,sex,`native.country`,SUM(`hours.per.week`), COUNT(*) FROM C1 GROUP BY income,sex,`native.country`
Resulted in 160 records

SQL for Synthetic:
SELECT income,sex,`native.country`,SUM(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY income,sex,`native.country`
Resulted in 130 records

Normalized Euclidean distance for (`hours.per.week`): 11.18
Hellinger Distance: 0.418

=====

Real										
	race	workclass	income	`native.country`	education	relationship	sex	occupation	`marital.status`	age count
16279	White	Self-emp-not-inc	>50K	United-States	Some-college	Own-child	Male	Craft-repair	Never-married	nan nan
10672	White	Private	<=50K	Puerto-Rico	HS-grad	Not-in-family	Male	Farming-fishing	Never-married	nan nan
14926	White	Self-emp-not-inc	<=50K	?	HS-grad	Husband	Male	Farming-fishing	Married-civ-spouse	nan nan
10534	White	Private	<=50K	Puerto-Rico	Bachelors	Own-child	Female	Prof-specialty	Separated	nan nan
4176	White	?	<=50K	Laos	HS-grad	Own-child	Male	?	Never-married	nan nan

Synthetic										
	race	workclass	income	`native.country`	education	relationship	sex	occupation	`marital.status`	age count
16279	White	Self-emp-not-inc	>50K	United-States	Some-college	Own-child	Male	Craft-repair	Never-married	30 1
10672	White	Private	<=50K	Puerto-Rico	HS-grad	Not-in-family	Male	Farming-fishing	Never-married	18 2
14926	White	Self-emp-not-inc	<=50K	?	HS-grad	Husband	Male	Farming-fishing	Married-civ-spouse	50 9
10534	White	Private	<=50K	Puerto-Rico	Bachelors	Own-child	Female	Prof-specialty	Separated	61 1
4176	White	?	<=50K	Laos	HS-grad	Own-child	Male	?	Never-married	19 1

SQL for Real:
SELECT race,workclass,income,`native.country`,education,relationship,sex,occupation,`marital.status`,MIN(age), COUNT(*) FROM C1 GROUP BY race,workclass,income,`native.country`,education,relationship,sex,occupation,`marital.status`
Resulted in 12664 records

SQL for Synthetic:
SELECT race,workclass,income,`native.country`,education,relationship,sex,occupation,`marital.status`,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY race,workclass,income,`native.country`,education,relationship,sex,occupation,`marital.status`
Resulted in 17127 records

Normalized Euclidean distance for (age): 64.61
Hellinger Distance: 0.549

=====

Real								
	relationship	`native.country`	sex	workclass	education	race	income	capital count
3508	Other-relative	Nicaragua	Female	Private	Some-college	White	<=50K	nan nan
784	Husband	Peru	Male	Private	Bachelors	Asian-Pac-Islander	<=50K	nan nan
6607	Wife	United-States	Female	Self-emp-not-inc	Assoc-acdm	White	<=50K	0.000000 4.000000
5579	Unmarried	Puerto-Rico	Male	Private	HS-grad	Other	<=50K	0.000000 1.000000
2999	Not-in-family	United-States	Female	Private	Bachelors	Asian-Pac-Islander	<=50K	0.000000 8.000000

Synthetic								
	relationship	`native.country`	sex	workclass	education	race	income	capital count
3508	Other-relative	Nicaragua	Female	Private	Some-college	White	<=50K	-19.387890 2
784	Husband	Peru	Male	Private	Bachelors	Asian-Pac-Islander	<=50K	-28.371567 2
6607	Wife	United-States	Female	Self-emp-not-inc	Assoc-acdm	White	<=50K	0.451539 1
5579	Unmarried	Puerto-Rico	Male	Private	HS-grad	Other	<=50K	2.653915 1
2999	Not-in-family	United-States	Female	Private	Bachelors	Asian-Pac-Islander	<=50K	-138.331132 14

SQL for Real:
SELECT relationship,`native.country`,sex,workclass,education,race,income,MIN(capital), COUNT(*) FROM C1 GROUP BY relationship,`native.country`,sex,workclass,education,race,income
Resulted in 5000 records

SQL for Synthetic:
SELECT relationship,`native.country`,sex,workclass,education,race,income,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY relationship,`native.country`,sex,workclass,education,race,income
Resulted in 6659 records

Normalized Euclidean distance for (capital): 44.68
Hellinger Distance: 0.485

=====

Real								
	sex	race	`native.country`	workclass	`marital.status`	occupation	capital	count
5329	Male	White	United-States	Private	Married-civ-spouse	Protective-serv	15024.000000	101.000000
1161	Female	White	China	Private	Divorced	Craft-repair	nan	nan
2281	Female	White	Taiwan	Private	Married-civ-spouse	Machine-op-inspct	nan	nan
1449	Female	White	Hungary	Federal-gov	Never-married	Adm-clerical	nan	nan
3376	Male	Black	Puerto-Rico	State-gov	Married-civ-spouse	Other-service	nan	nan

Synthetic								
	sex	race	`native.country`	workclass	`marital.status`	occupation	capital	count
5329	Male	White	United-States	Private	Married-civ-spouse	Protective-serv	635.308276	76
1161	Female	White	China	Private	Divorced	Craft-repair	-2.724966	1
2281	Female	White	Taiwan	Private	Married-civ-spouse	Machine-op-inspct	-204.296613	1
1449	Female	White	Hungary	Federal-gov	Never-married	Adm-clerical	-39.560578	1
3376	Male	Black	Puerto-Rico	State-gov	Married-civ-spouse	Other-service	62.647144	1

SQL for Real:
SELECT sex,race,`native.country`,workclass,`marital.status`,occupation,MAX(capital), COUNT(*) FROM C1 GROUP BY sex,race,`native.country`,workclass,`marital.status`,occupation

Resulted in 3937 records

SQL for Synthetic:
SELECT sex,race,`native.country`,workclass,`marital.status`,occupation,MAX(capital), COUNT(*) FROM C1_syn_06 GROUP BY sex,race,`native.country`,workclass,`marital.status`,occupation

Resulted in 5543 records

Normalized Euclidean distance for (capital): 41.57

Hellinger Distance: 0.465

=====

Real					
	race	occupation	relationship	fnlwgt	count
97	Asian-Pac-Islander	Handlers-cleaners	Other-relative	150707.500000	4
349	White	Other-service	Unmarried	182325.233522	531
196	Black	Priv-house-serv	Wife	190912.500000	6
212	Black	Sales	Own-child	242872.538462	104
50	Amer-Indian-Eskimo	Prof-specialty	Unmarried	69804.583333	12

Synthetic					
	race	occupation	relationship	fnlwgt	count
97	Asian-Pac-Islander	Handlers-cleaners	Other-relative	181532.840752	2.000000
349	White	Other-service	Unmarried	181402.453491	567.000000
196	Black	Priv-house-serv	Wife	nan	nan
212	Black	Sales	Own-child	187340.929707	93.000000
50	Amer-Indian-Eskimo	Prof-specialty	Unmarried	181623.590065	3.000000

SQL for Real:
SELECT race,occupation,relationship,AVG(fnlwgt), COUNT(*) FROM C1 GROUP BY race,occupation,relationship

Resulted in 387 records

SQL for Synthetic:
SELECT race,occupation,relationship,AVG(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY race,occupation,relationship

Resulted in 376 records

Normalized Euclidean distance for (fnlwgt): 19.0

Hellinger Distance: 0.071

=====

Real			
	education	capital	count
3	1st-4th	7688	247
7	Assoc-acdm	99999	1601
15	Some-college	99999	10878
9	Bachelors	99999	8025
11	HS-grad	99999	15784

Synthetic			
	education	capital	count
3	1st-4th	315.046646	154.000000
7	Assoc-acdm	364.880776	1755.000000
15	Some-college	414.355939	10540.000000
9	Bachelors	354.918062	8164.000000
11	HS-grad	374.086257	16455.000000

SQL for Real:
SELECT education,MAX(capital), COUNT(*) FROM C1 GROUP BY education

Resulted in 16 records

SQL for Synthetic:
SELECT education,MAX(capital), COUNT(*) FROM C1_syn_06 GROUP BY education

Resulted in 16 records

Normalized Euclidean distance for (capital): 4.0

Hellinger Distance: 0.026

=====

Real											
	relationship	race	`native.country`	workclass	income	`marital.status`	occupation	sex	education	age	count
3142	Husband	White	Scotland	Private	<=50K	Married-civ-spouse	Craft-repair	Male	11th	nan	nan
12580	Own-child	White	United-States	Private	<=50K	Married-spouse-absent	Farming-fishing	Male	11th	nan	nan
8259	Not-in-family	White	United-States	Private	<=50K	Divorced	Adm-clerical	Female	10th	61.000000	1.000000
13826	Unmarried	Black	United-States	State-gov	<=50K	Never-married	Adm-clerical	Female	Assoc-voc	nan	nan
4919	Not-in-family	Black	United-States	Private	<=50K	Divorced	Exec-managerial	Female	Bachelors	nan	nan

Synthetic											
	relationship	race	`native.country`	workclass	income	`marital.status`	occupation	sex	education	age	count
3142	Husband	White	Scotland	Private	<=50K	Married-civ-spouse	Craft-repair	Male	11th	33	2
12580	Own-child	White	United-States	Private	<=50K	Married-spouse-absent	Farming-fishing	Male	11th	27	1
8259	Not-in-family	White	United-States	Private	<=50K	Divorced	Adm-clerical	Female	10th	57	1
13826	Unmarried	Black	United-States	State-gov	<=50K	Never-married	Adm-clerical	Female	Assoc-voc	23	1
4919	Not-in-family	Black	United-States	Private	<=50K	Divorced	Exec-managerial	Female	Bachelors	31	2

SQL for Real:
SELECT relationship,race,`native.country`,workclass,income,`marital.status`,occupation,sex,education,MIN(age), COUNT(*) FROM C1 GROUP BY relationship,race,`native.country`,workclass,income,`marital.status`,occupation,sex,education
Resulted in 12664 records

SQL for Synthetic:
SELECT relationship,race,`native.country`,workclass,income,`marital.status`,occupation,sex,education,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY relationship,race,`native.country`,workclass,income,`marital.status`,occupation,sex,education
Resulted in 17127 records

Normalized Euclidean distance for (age): 64.61

Hellinger Distance: 0.549

=====

Real								
	workclass	`marital.status`	education	income	sex	race	fnlwgt	count
398	Federal-gov	Divorced	Some-college	<=50K	Female	Amer-Indian-Eskimo	21876	3
1527	Private	Never-married	9th	<=50K	Female	White	53367	43
1990	Self-emp-inc	Never-married	HS-grad	<=50K	Female	Asian-Pac-Islander	119422	1
1906	Self-emp-inc	Married-civ-spouse	Bachelors	<=50K	Female	Asian-Pac-Islander	135643	4
296	?	Separated	HS-grad	<=50K	Female	Asian-Pac-Islander	313445	1

Synthetic								
	workclass	`marital.status`	education	income	sex	race	fnlwgt	count
398	Federal-gov	Divorced	Some-college	<=50K	Female	Amer-Indian-Eskimo	170153.474415	1.000000
1527	Private	Never-married	9th	<=50K	Female	White	161815.980784	47.000000
1990	Self-emp-inc	Never-married	HS-grad	<=50K	Female	Asian-Pac-Islander	nan	nan
1906	Self-emp-inc	Married-civ-spouse	Bachelors	<=50K	Female	Asian-Pac-Islander	166910.973650	1.000000
296	?	Separated	HS-grad	<=50K	Female	Asian-Pac-Islander	nan	nan

SQL for Real:
SELECT workclass,`marital.status`,education,income,sex,race,MIN(fnlwgt), COUNT(*) FROM C1 GROUP BY workclass,`marital.status`,education,income,sex,race
Resulted in 2701 records

SQL for Synthetic:
SELECT workclass,`marital.status`,education,income,sex,race,MIN(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY workclass,`marital.status`,education,income,sex,race
Resulted in 2264 records

Normalized Euclidean distance for (fnlwgt): 41.5

Hellinger Distance: 0.219

=====

Real									
	race	relationship	`native.country`	education	workclass	income	`marital.status`	sex	age count
5117	White	Not-in-family	Puerto-Rico	HS-grad	Self-emp-not-inc	<=50K	Widowed	Female	nan nan
6391	White	Other-relative	United-States	Preschool	Private	<=50K	Never-married	Male	nan nan
1284	Black	Not-in-family	Puerto-Rico	Masters	Private	<=50K	Divorced	Female	nan nan
7052	White	Own-child	Puerto-Rico	HS-grad	State-gov	<=50K	Divorced	Male	nan nan
6668	White	Own-child	Hungary	Some-college	Private	>50K	Married-civ-spouse	Female	nan nan

Synthetic									
	race	relationship	`native.country`	education	workclass	income	`marital.status`	sex	age count
5117	White	Not-in-family	Puerto-Rico	HS-grad	Self-emp-not-inc	<=50K	Widowed	Female	64.428571 7
6391	White	Other-relative	United-States	Preschool	Private	<=50K	Never-married	Male	26.000000 1
1284	Black	Not-in-family	Puerto-Rico	Masters	Private	<=50K	Divorced	Female	45.000000 2
7052	White	Own-child	Puerto-Rico	HS-grad	State-gov	<=50K	Divorced	Male	33.000000 1
6668	White	Own-child	Hungary	Some-college	Private	>50K	Married-civ-spouse	Female	28.000000 1

SQL for Real:
SELECT race,relationship,`native.country`,education,workclass,income,`marital.status`,sex,AVG(age), COUNT(*) FROM C1 GROUP BY race,relationship,`native.country`,education,workclass,income,`marital.status`,sex
Resulted in 6863 records

SQL for Synthetic:
SELECT race,relationship,`native.country`,education,workclass,income,`marital.status`,sex,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY race,relationship,`native.country`,education,workclass,income,`marital.status`,sex
Resulted in 9165 records

Normalized Euclidean distance for (age): 50.11

Hellinger Distance: 0.502

=====

Real			
	sex	age	count
0	Female	17	16192
1	Male	17	32650

Synthetic			
	sex	age	count
0	Female	17.000000	17114.000000
1	Male	17.000000	31728.000000

SQL for Real:
SELECT sex,MIN(age), COUNT(*) FROM C1 GROUP BY sex
Resulted in 2 records

SQL for Synthetic:
SELECT sex,MIN(age), COUNT(*) FROM C1_syn_06 GROUP BY sex
Resulted in 2 records

Normalized Euclidean distance for (age): 0.0

Hellinger Distance: 0.014

=====

Real			
	`marital.status`	age	count
6	Widowed	59.377470	1518
2	Married-civ-spouse	43.353724	22379
5	Separated	39.725490	1530
1	Married-AF-spouse	31.945946	37
3	Married-spouse-absent	40.613057	628

Synthetic			
	`marital.status`	age	count
6	Widowed	59.203927	1579.000000
2	Married-civ-spouse	43.436710	22152.000000
5	Separated	39.946809	1504.000000
1	Married-AF-spouse	30.125000	8.000000
3	Married-spouse-absent	40.679630	540.000000

SQL for Real:
SELECT `marital.status`,AVG(age), COUNT(*) FROM C1 GROUP BY `marital.status`
Resulted in 7 records

SQL for Synthetic:
SELECT `marital.status`,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY `marital.status`
Resulted in 7 records

Normalized Euclidean distance for (age): 2.65

Hellinger Distance: 0.013

=====

Real										
	race	workclass	sex	`native.country`	occupation	education	relationship	`marital.status`	fnlwgt	count
9060	White	Private	Female	United-States	Machine-op-inspct	Bachelors	Own-child	Never-married	151910.000000	1.000000
4065	White	?	Female	Puerto-Rico	?	Assoc-acdm	Own-child	Never-married	nan	nan
15708	White	State-gov	Male	Puerto-Rico	Farming-fishing	HS-grad	Husband	Married-civ-spouse	nan	nan
6973	White	Private	Female	Holand-Netherlands	Adm-clerical	Some-college	Own-child	Never-married	nan	nan
7516	White	Private	Female	Laos	Exec-managerial	Bachelors	Wife	Married-civ-spouse	nan	nan

Synthetic										
	race	workclass	sex	`native.country`	occupation	education	relationship	`marital.status`	fnlwgt	count
9060	White	Private	Female	United-States	Machine-op-inspct	Bachelors	Own-child	Never-married	189288.095565	2
4065	White	?	Female	Puerto-Rico	?	Assoc-acdm	Own-child	Never-married	170830.532865	1
15708	White	State-gov	Male	Puerto-Rico	Farming-fishing	HS-grad	Husband	Married-civ-spouse	175331.417896	1
6973	White	Private	Female	Holand-Netherlands	Adm-clerical	Some-college	Own-child	Never-married	204148.390461	5
7516	White	Private	Female	Laos	Exec-managerial	Bachelors	Wife	Married-civ-spouse	178932.458952	1

SQL for Real:
SELECT race,workclass,sex,`native.country`,occupation,education,relationship,`marital.status`,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY race,workclass,sex,`native.country`,occupation,education,relationship,`marital.status`
Resulted in 11374 records

SQL for Synthetic:
SELECT race,workclass,sex,`native.country`,occupation,education,relationship,`marital.status`,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY race,workclass,sex,`native.country`,occupation,education,relationship,`marital.status`

Resulted in 15994 records

Normalized Euclidean distance for (fnlwgt): 63.12

Hellinger Distance: 0.53

=====

Real					
	workclass	race	relationship	fnlwgt	count
98	Private	Black	Husband	162557757	674
67	Local-gov	Asian-Pac-Islander	Own-child	1534167	8
177	State-gov	Black	Not-in-family	18178926	76
172	State-gov	Asian-Pac-Islander	Other-relative	242851	3
123	Self-emp-inc	Asian-Pac-Islander	Wife	750383	6

Synthetic					
	workclass	race	relationship	fnlwgt	count
98	Private	Black	Husband	100256109.355009	540.000000
67	Local-gov	Asian-Pac-Islander	Own-child	2086888.774294	11.000000
177	State-gov	Black	Not-in-family	10007381.764456	59.000000
172	State-gov	Asian-Pac-Islander	Other-relative	163164.612004	1.000000
123	Self-emp-inc	Asian-Pac-Islander	Wife	1015372.858229	6.000000

SQL for Real:
SELECT workclass,race,relationship,SUM(fnlwgt), COUNT(*) FROM C1 GROUP BY workclass,race,relationship

Resulted in 192 records

SQL for Synthetic:
SELECT workclass,race,relationship,SUM(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY workclass,race,relationship

Resulted in 181 records

Normalized Euclidean distance for (fnlwgt): 13.27

Hellinger Distance: 0.057

=====

Real			
	race	`hours.per.week`	count
4	White	1	41762
1	Asian-Pac-Islander	1	1519
3	Other	5	406
0	Amer-Indian-Eskimo	3	470
2	Black	1	4685

Synthetic			
	race	`hours.per.week`	count
4	White	38.865705	43379.000000
1	Asian-Pac-Islander	38.929010	993.000000
3	Other	38.904838	348.000000
0	Amer-Indian-Eskimo	38.913528	202.000000
2	Black	38.885831	3920.000000

SQL for Real:
SELECT race,MIN(`hours.per.week`), COUNT(*) FROM C1 GROUP BY race

Resulted in 5 records

SQL for Synthetic:
SELECT race,MIN(`hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY race

Resulted in 5 records

Normalized Euclidean distance for (`hours.per.week`): 2.24

Hellinger Distance: 0.041

=====

Real							
	`marital.status`	workclass	relationship	education	income	fnlwgt	count
1141	Never-married	Local-gov	Unmarried	Masters	>50K	88638	1
1449	Separated	Local-gov	Not-in-family	Some-college	>50K	212600	1
1047	Never-married	Federal-gov	Not-in-family	Doctorate	<=50K	345259	1
463	Married-civ-spouse	Federal-gov	Husband	Some-college	>50K	914061	98
1112	Never-married	Local-gov	Other-relative	Some-college	<=50K	315287	7

Synthetic							
	`marital.status`	workclass	relationship	education	income	fnlwgt	count
1141	Never-married	Local-gov	Unmarried	Masters	>50K	189054.833184	2.000000
1449	Separated	Local-gov	Not-in-family	Some-college	>50K	nan	nan
1047	Never-married	Federal-gov	Not-in-family	Doctorate	<=50K	186827.789105	2.000000
463	Married-civ-spouse	Federal-gov	Husband	Some-college	>50K	196840.840373	41.000000
1112	Never-married	Local-gov	Other-relative	Some-college	<=50K	204464.194409	7.000000

SQL for Real:
SELECT `marital.status`,workclass,relationship,education,income,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY `marital.status`,workclass,relationship,education,income

Resulted in 1842 records

SQL for Synthetic:

SELECT `marital.status`,workclass,relationship,education,income,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY `marital.status`,workclass,relationship,education,income

Resulted in 1748 records

Normalized Euclidean distance for (fnlwgt): 36.51

Hellinger Distance: 0.196

=====

Real										
	relationship	income	`native.country`	education	`marital.status`	race	workclass	sex	occupation	fnlwgt count
9386	Not-in-family	>50K	United-States	HS-grad	Never-married	White	Federal-gov	Female	Adm-clerical	nan nan
6361	Not-in-family	<=50K	Puerto-Rico	Bachelors	Divorced	White	Private	Female	Sales	nan nan
5419	Not-in-family	<=50K	Japan	HS-grad	Divorced	White	Private	Female	Transport-moving	nan nan
5408	Not-in-family	<=50K	Japan	HS-grad	Divorced	White	Federal-gov	Male	Adm-clerical	nan nan
8920	Not-in-family	<=50K	United-States	Some-college	Married-civ-spouse	White	Private	Male	Adm-clerical	nan nan
Synthetic										
	relationship	income	`native.country`	education	`marital.status`	race	workclass	sex	occupation	fnlwgt count
9386	Not-in-family	>50K	United-States	HS-grad	Never-married	White	Federal-gov	Female	Adm-clerical	150560.706454 1
6361	Not-in-family	<=50K	Puerto-Rico	Bachelors	Divorced	White	Private	Female	Sales	176119.455004 3
5419	Not-in-family	<=50K	Japan	HS-grad	Divorced	White	Private	Female	Transport-moving	177937.440112 1
5408	Not-in-family	<=50K	Japan	HS-grad	Divorced	White	Federal-gov	Male	Adm-clerical	178313.894962 1
8920	Not-in-family	<=50K	United-States	Some-college	Married-civ-spouse	White	Private	Male	Adm-clerical	187076.947274 1

SQL for Real:

SELECT relationship,income,`native.country`,education,`marital.status`,race,workclass,sex,occupation,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY relationship,income,`native.country`,education,`marital.status`,race,workclass,sex,occupation

Resulted in 12664 records

SQL for Synthetic:

SELECT relationship,income,`native.country`,education,`marital.status`,race,workclass,sex,occupation,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY relationship,income,`native.country`,education,`marital.status`,race,workclass,sex,occupation

Resulted in 17127 records

Normalized Euclidean distance for (fnlwgt): 64.61

Hellinger Distance: 0.549

=====

Real										
	`marital.status`	sex	`native.country`	education	income	occupation	race	relationship	workclass	age count
8794	Married-civ-spouse	Male	United-States	Some-college	>50K	Adm-clerical	Black	Husband	Federal-gov	42.000000 4.000000
12502	Never-married	Male	Holand-Netherlands	HS-grad	<=50K	Other-service	White	Unmarried	Private	nan nan
1828	Divorced	Female	United-States	Some-college	<=50K	Tech-support	White	Not-in-family	State-gov	nan nan
5189	Married-civ-spouse	Male	Columbia	Some-college	<=50K	Handlers-cleaners	White	Husband	Local-gov	nan nan
1572	Divorced	Female	United-States	HS-grad	<=50K	Machine-op-inspct	Asian-Pac-Islander	Unmarried	Private	nan nan
Synthetic										
	`marital.status`	sex	`native.country`	education	income	occupation	race	relationship	workclass	age count
8794	Married-civ-spouse	Male	United-States	Some-college	>50K	Adm-clerical	Black	Husband	Federal-gov	49.000000 1
12502	Never-married	Male	Holand-Netherlands	HS-grad	<=50K	Other-service	White	Unmarried	Private	19.000000 1
1828	Divorced	Female	United-States	Some-college	<=50K	Tech-support	White	Not-in-family	State-gov	39.000000 1
5189	Married-civ-spouse	Male	Columbia	Some-college	<=50K	Handlers-cleaners	White	Husband	Local-gov	42.000000 1
1572	Divorced	Female	United-States	HS-grad	<=50K	Machine-op-inspct	Asian-Pac-Islander	Unmarried	Private	34.000000 1

SQL for Real:

SELECT `marital.status`,sex,`native.country`,education,income,occupation,race,relationship,workclass,AVG(age), COUNT(*) FROM C1 GROUP BY `marital.status`,sex,`native.country`,education,income,occupation,race,relationship,workclass

Resulted in 12664 records

SQL for Synthetic:

SELECT `marital.status`,sex,`native.country`,education,income,occupation,race,relationship,workclass,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY `marital.status`,sex,`native.country`,education,income,occupation,race,relationship,workclass

Resulted in 17127 records

Normalized Euclidean distance for (age): 64.61

Hellinger Distance: 0.549

=====

Real				
	workclass	income	education	capital count
135	Self-emp-inc	>50K	12th	0 2
182	State-gov	<=50K	5th-6th	0 4
185	State-gov	<=50K	Assoc-acdm	-1974 56
71	Local-gov	<=50K	Some-college	-2377 448
132	Self-emp-inc	<=50K	Some-college	-2339 167

Synthetic					
	workclass	income	education	capital	count
135	Self-emp-inc	>50K	12th	-136.583767	1.000000
182	State-gov	<=50K	5th-6th	-104.209948	6.000000
185	State-gov	<=50K	Assoc-acdm	-325.928398	60.000000
71	Local-gov	<=50K	Some-college	-283.318818	540.000000
132	Self-emp-inc	<=50K	Some-college	-225.915020	250.000000

SQL for Real:
SELECT workclass,income,education,MIN(capital), COUNT(*) FROM C1 GROUP BY workclass,income,education
Resulted in 205 records

SQL for Synthetic:
SELECT workclass,income,education,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY workclass,income,education
Resulted in 192 records

Normalized Euclidean distance for (capital): 13.75

Hellinger Distance: 0.154

=====

Real										
	occupation	sex	relationship	income	`native.country`	education	`marital.status`	workclass	capital	count
5248	Exec-managerial	Male	Not-in-family	<=50K	?	Masters	Never-married	Private	nan	nan
12739	Sales	Male	Husband	<=50K	Puerto-Rico	Masters	Married-civ-spouse	Self-emp-inc	nan	nan
9431	Other-service	Male	Unmarried	<=50K	United-States	HS-grad	Never-married	Self-emp-not-inc	0.000000	1.000000
9204	Other-service	Male	Not-in-family	<=50K	United-States	Some-college	Never-married	Private	-1602.000000	103.000000
4982	Exec-managerial	Male	Husband	<=50K	Taiwan	Some-college	Married-civ-spouse	Federal-gov	nan	nan

Synthetic										
	occupation	sex	relationship	income	`native.country`	education	`marital.status`	workclass	capital	count
5248	Exec-managerial	Male	Not-in-family	<=50K	?	Masters	Never-married	Private	-152.915131	2
12739	Sales	Male	Husband	<=50K	Puerto-Rico	Masters	Married-civ-spouse	Self-emp-inc	-119.718126	7
9431	Other-service	Male	Unmarried	<=50K	United-States	HS-grad	Never-married	Self-emp-not-inc	-30.321700	2
9204	Other-service	Male	Not-in-family	<=50K	United-States	Some-college	Never-married	Private	-219.135217	64
4982	Exec-managerial	Male	Husband	<=50K	Taiwan	Some-college	Married-civ-spouse	Federal-gov	42.035629	1

SQL for Real:
SELECT occupation,sex,relationship,income,`native.country`,education,`marital.status`,workclass,MIN(capital), COUNT(*) FROM C1 GROUP BY occupation,sex,relationship,income,`native.country`,education,`marital.status`,workclass
Resulted in 10400 records

SQL for Synthetic:
SELECT occupation,sex,relationship,income,`native.country`,education,`marital.status`,workclass,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY occupation,sex,relationship,income,`native.country`,education,`marital.status`,workclass
Resulted in 14639 records

Normalized Euclidean distance for (capital): 62.27

Hellinger Distance: 0.529

=====

Real										
	sex	relationship	workclass	`marital.status`	occupation	race	income	education	fnlwgt	count
752	Female	Not-in-family	Private	Never-married	Other-service	Black	<=50K	Assoc-acdm	137296	1
2450	Female	Own-child	State-gov	Never-married	Prof-specialty	White	<=50K	Prof-school	105936	1
2568	Female	Unmarried	Federal-gov	Divorced	Exec-managerial	White	>50K	Masters	348059	1
2068	Female	Own-child	Private	Married-civ-spouse	Transport-moving	White	<=50K	HS-grad	211585	1
3525	Female	Unmarried	Self-emp-inc	Divorced	Exec-managerial	White	<=50K	HS-grad	257764	2

Synthetic										
	sex	relationship	workclass	`marital.status`	occupation	race	income	education	fnlwgt	count
752	Female	Not-in-family	Private	Never-married	Other-service	Black	<=50K	Assoc-acdm	nan	nan
2450	Female	Own-child	State-gov	Never-married	Prof-specialty	White	<=50K	Prof-school	nan	nan
2568	Female	Unmarried	Federal-gov	Divorced	Exec-managerial	White	>50K	Masters	nan	nan
2068	Female	Own-child	Private	Married-civ-spouse	Transport-moving	White	<=50K	HS-grad	nan	nan
3525	Female	Unmarried	Self-emp-inc	Divorced	Exec-managerial	White	<=50K	HS-grad	nan	nan

SQL for Real:
SELECT sex,relationship,workclass,`marital.status`,occupation,race,income,education,MAX(fnlwgt), COUNT(*) FROM C1 GROUP BY sex,relationship,workclass,`marital.status`,occupation,race,income,education
Resulted in 9897 records

SQL for Synthetic:
SELECT sex,relationship,workclass,`marital.status`,occupation,race,income,education,MAX(fnlwgt), COUNT(*) FROM C1_syn_06 GROUP BY sex,relationship,workclass,`marital.status`,occupation,race,income,education
Resulted in 9113 records

Normalized Euclidean distance for (fnlwgt): 69.99

Hellinger Distance: 0.328

=====

Real

	occupation	race	`marital.status`	income	sex	education	capital	count
1028	Craft-repair	White	Never-married	<=50K	Male	5th-6th	0	10
1535	Farming-fishing	White	Divorced	<=50K	Female	Some-college	-1590	4
2059	Machine-op-inspct	Other	Married-spouse-absent	<=50K	Female	7th-8th	0	1
1446	Exec-managerial	White	Widowed	<=50K	Male	12th	2009	1
1343	Exec-managerial	White	Married-civ-spouse	>50K	Male	12th	0	3

Synthetic

	occupation	race	`marital.status`	income	sex	education	capital	count
1028	Craft-repair	White	Never-married	<=50K	Male	5th-6th	1.135600	5.000000
1535	Farming-fishing	White	Divorced	<=50K	Female	Some-college	47.265738	1.000000
2059	Machine-op-inspct	Other	Married-spouse-absent	<=50K	Female	7th-8th	nan	nan
1446	Exec-managerial	White	Widowed	<=50K	Male	12th	nan	nan
1343	Exec-managerial	White	Married-civ-spouse	>50K	Male	12th	-283.093856	2.000000

SQL for Real:

SELECT occupation,race,`marital.status`,income,sex,education,MIN(capital), COUNT(*) FROM C1 GROUP BY occupation,race,`marital.status`,income,sex,education

Resulted in 4178 records

SQL for Synthetic:

SELECT occupation,race,`marital.status`,income,sex,education,MIN(capital), COUNT(*) FROM C1_syn_06 GROUP BY occupation,race,`marital.status`,income,sex,education

Resulted in 3545 records

Normalized Euclidean distance for (capital): 50.4

Hellinger Distance: 0.244

=====

Real

	race	`native.country`	sex	education	`marital.status`	relationship	occupation	income	age	count
2899	Black	United-States	Male	Bachelors	Married-civ-spouse	Husband	Adm-clerical	<=50K	33.000000	1.000000
1884	Black	Puerto-Rico	Female	Prof-school	Married-civ-spouse	Wife	Exec-managerial	<=50K	nan	nan
152	Amer-Indian-Eskimo	United-States	Male	HS-grad	Never-married	Other-relative	Craft-repair	<=50K	40.000000	2.000000
2619	Black	United-States	Female	Some-college	Divorced	Unmarried	Sales	<=50K	90.000000	4.000000
2164	Black	Scotland	Female	Bachelors	Widowed	Unmarried	Prof-specialty	<=50K	nan	nan

Synthetic

	race	`native.country`	sex	education	`marital.status`	relationship	occupation	income	age	count
2899	Black	United-States	Male	Bachelors	Married-civ-spouse	Husband	Adm-clerical	<=50K	62	4
1884	Black	Puerto-Rico	Female	Prof-school	Married-civ-spouse	Wife	Exec-managerial	<=50K	40	1
152	Amer-Indian-Eskimo	United-States	Male	HS-grad	Never-married	Other-relative	Craft-repair	<=50K	37	1
2619	Black	United-States	Female	Some-college	Divorced	Unmarried	Sales	<=50K	47	2
2164	Black	Scotland	Female	Bachelors	Widowed	Unmarried	Prof-specialty	<=50K	52	1

SQL for Real:

SELECT race,`native.country`,sex,education,`marital.status`,relationship,occupation,income,MAX(age), COUNT(*) FROM C1 GROUP BY race,`native.country`,sex,education,`marital.status`,relationship,occupation,income

Resulted in 9390 records

SQL for Synthetic:

SELECT race,`native.country`,sex,education,`marital.status`,relationship,occupation,income,MAX(age), COUNT(*) FROM C1_syn_06 GROUP BY race,`native.country`,sex,education,`marital.status`,relationship,occupation,income

Resulted in 13048 records

Normalized Euclidean distance for (age): 57.52

Hellinger Distance: 0.524

=====

Real

	income	occupation	`native.country`	`marital.status`	education	race	relationship	sex	age	count
5767	<=50K	Machine-op-inspct	Japan	Divorced	Some-college	Black	Not-in-family	Female	nan	nan
11937	>50K	Adm-clerical	Scotland	Married-civ-spouse	Bachelors	White	Husband	Male	nan	nan
4234	<=50K	Exec-managerial	United-States	Married-civ-spouse	Assoc-acdm	White	Husband	Male	45.068966	29.000000
8076	<=50K	Priv-house-serv	United-States	Never-married	1st-4th	Asian-Pac-Islander	Not-in-family	Female	nan	nan
6896	<=50K	Other-service	Japan	Married-civ-spouse	12th	White	Wife	Female	nan	nan

Synthetic

	income	occupation	`native.country`	`marital.status`	education	race	relationship	sex	age	count
5767	<=50K	Machine-op-inspct	Japan	Divorced	Some-college	Black	Not-in-family	Female	44.000000	1
11937	>50K	Adm-clerical	Scotland	Married-civ-spouse	Bachelors	White	Husband	Male	58.000000	2
4234	<=50K	Exec-managerial	United-States	Married-civ-spouse	Assoc-acdm	White	Husband	Male	45.406250	32
8076	<=50K	Priv-house-serv	United-States	Never-married	1st-4th	Asian-Pac-Islander	Not-in-family	Female	25.000000	1
6896	<=50K	Other-service	Japan	Married-civ-spouse	12th	White	Wife	Female	36.000000	1

SQL for Real:

SELECT income,occupation,`native.country`,`marital.status`,education,race,relationship,sex,AVG(age), COUNT(*) FROM C1 GROUP BY income,occupation,`native.country`,`marital.status`,education,race,relationship,sex

Resulted in 9390 records

SQL for Synthetic:

SELECT income,occupation,`native.country`,`marital.status`,education,race,relationship,sex,AVG(age), COUNT(*) FROM C1_syn_06 GROUP BY income,occupation,`native.country`,`marital.status`,education,race,relationship,sex

Resulted in 13048 records

Normalized Euclidean distance for (age): 57.52

Hellinger Distance: 0.524

=====

Real			
	`native.country`	`hours.per.week`	count
33	Puerto-Rico	80	184
17	Hong	65	30
30	Philippines	99	295
29	Peru	60	46
20	Iran	70	59

Synthetic			
	`native.country`	`hours.per.week`	count
33	Puerto-Rico	40.546981	10305.000000
17	Hong	nan	nan
30	Philippines	40.443251	80.000000
29	Peru	40.545033	1207.000000
20	Iran	40.513728	205.000000

SQL for Real:
SELECT `native.country`,MAX(` hours.per.week`), COUNT(*) FROM C1 GROUP BY `native.country`
Resulted in 42 records

SQL for Synthetic:
SELECT `native.country`,MAX(` hours.per.week`), COUNT(*) FROM C1_syn_06 GROUP BY `native.country`
Resulted in 41 records

Normalized Euclidean distance for (` hours.per.week`): 6.4

Hellinger Distance: 0.396

=====

Hellinger Distance Summary: {'mean': 0.3142675150677951, 'median': 0.3955457288889714, 'stddev': 0.1942676140300674}

Euclidean distance Summary : {'mean': 32.23007336935236, 'median': 35.028559776273994, 'stddev': 23.161441462183728}

=====