



Comparing US Demographic Statistics to Oscar Award Demographics

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Question

Is there a correlation between the growth of the US Population and the number of Oscar Awards given per race?

US Demographics

Census 2015

Household ID

Gender

Race

Hispanic

Oscar Awards

1927-2014

Name

Race

Race Confidence

Award Date

Award Type

Beam Transformations [EX: Pardo on US Pop Data]

Field name	Type	Mode	HUTYPEA	INTEGER	NULLABLE
			HUTYPEB	INTEGER	NULLABLE
HRHHID	INTEGER	NULLABLE	HUTYPEC	INTEGER	NULLABLE
			HWHHWGT	INTEGER	NULLABLE
HRMONTH	INTEGER	NULLABLE	HRINTSTA	INTEGER	NULLABLE
			HRNUMHOU	INTEGER	NULLABLE
HRYEAR4	INTEGER	NULLABLE	HRHTYPE	INTEGER	NULLABLE
			HRMIS	INTEGER	NULLABLE
HURESPLI	INTEGER	NULLABLE	HUINTTYP	INTEGER	NULLABLE
			HUPRSCNT	INTEGER	NULLABLE
HUFINAL	INTEGER	NULLABLE	HRLONGLK	INTEGER	NULLABLE
			HRHHID2	INTEGER	NULLABLE
HUSPNISH	INTEGER	NULLABLE	HWHHWTLN	INTEGER	NULLABLE
			HUBUS	INTEGER	NULLABLE
HETENURE	INTEGER	NULLABLE	HUBUSL1	INTEGER	NULLABLE
			HUBUSL2	INTEGER	NULLABLE
HEHOUSUT	INTEGER	NULLABLE	HUBUSL3	INTEGER	NULLABLE
			HUBUSL4	INTEGER	NULLABLE
HETELHHD	INTEGER	NULLABLE	GEREG	INTEGER	NULLABLE
			GEDIV	INTEGER	NULLABLE
HETELAVL	INTEGER	NULLABLE	GESTFIPS	INTEGER	NULLABLE
HEPHONEO	INTEGER	NULLABLE			
HEFAMINC	INTEGER	NULLABLE			

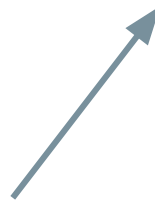


Field name	Type	Mode
HRHHID	INTEGER	NULLABLE
PESEX	INTEGER	NULLABLE
PEHSPNON	INTEGER	NULLABLE
PTDTRACE	INTEGER	NULLABLE

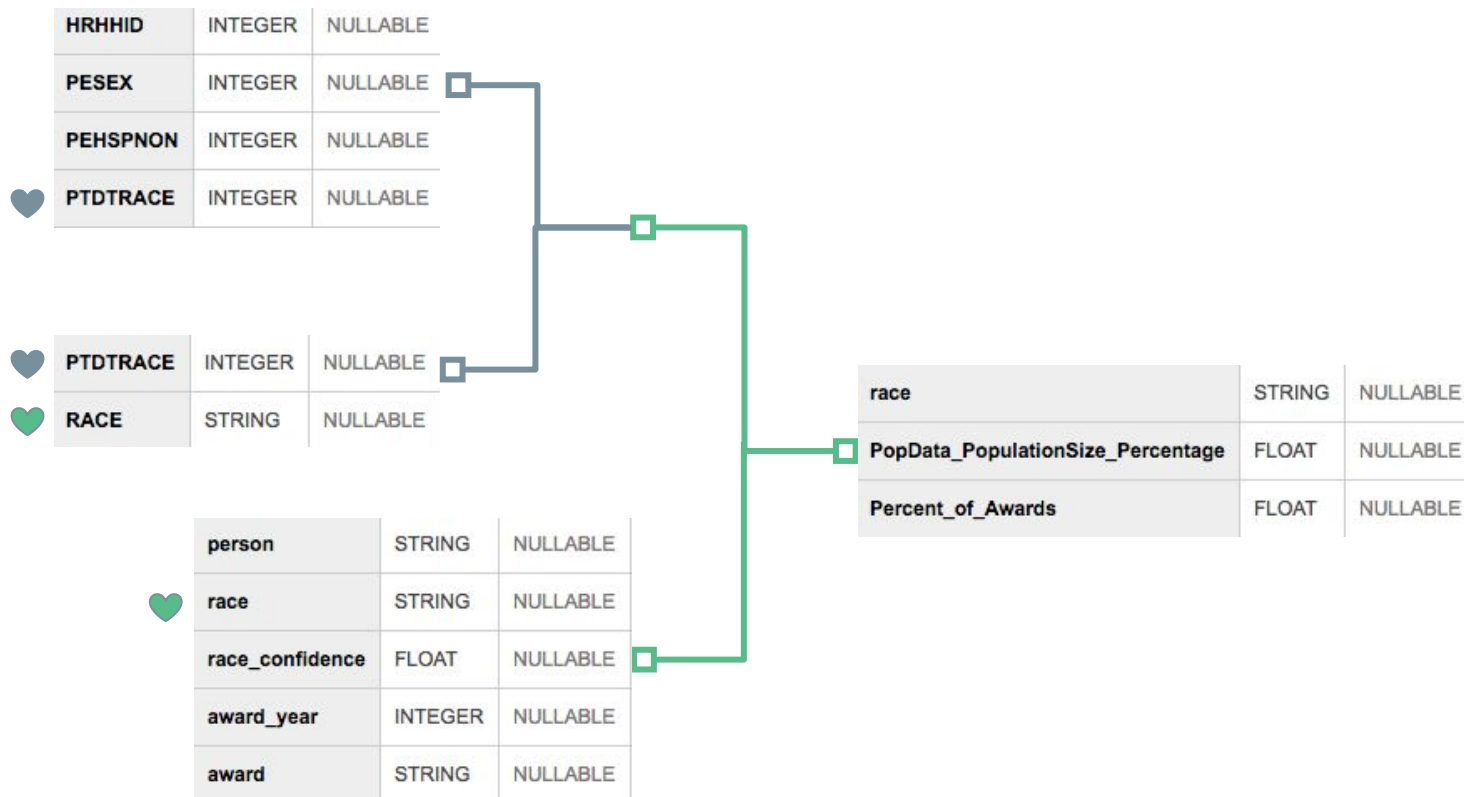
Beam Transformations [EX: Pardo on Oscar Award]

_unit_id	INTEGER	NULLABLE	year_of_award	INTEGER	NULLABLE
_golden	BOOLEAN	NULLABLE	year_of_award_confidence	FLOAT	NULLABLE
_unit_state	STRING	NULLABLE	award	STRING	NULLABLE
_trusted_judgments	INTEGER	NULLABLE	biourl	STRING	NULLABLE
_last_judgment_at	TIMESTAMP	NULLABLE	birthplace_gold	STRING	NULLABLE
birthplace	STRING	NULLABLE	date_of_birth_gold	DATE	NULLABLE
birthplace_confidence	FLOAT	NULLABLE	movie	STRING	NULLABLE
date_of_birth	STRING	NULLABLE	person	STRING	NULLABLE
date_of_birth_confidence	FLOAT	NULLABLE	race_ethnicity_gold	STRING	NULLABLE
race_ethnicity	STRING	NULLABLE	religion_gold	STRING	NULLABLE
race_ethnicity_confidence	FLOAT	NULLABLE	sexual_orientation_gold	STRING	NULLABLE
religion	STRING	NULLABLE	year_of_award_gold	INTEGER	NULLABLE
religion_confidence	FLOAT	NULLABLE			
sexual_orientation	STRING	NULLABLE			
sexual_orientation_confidence	FLOAT	NULLABLE			

person	STRING	NULLABLE
race	STRING	NULLABLE
race_confidence	FLOAT	NULLABLE
award_year	INTEGER	NULLABLE
award	STRING	NULLABLE



SQL Transformations [Join by Race]

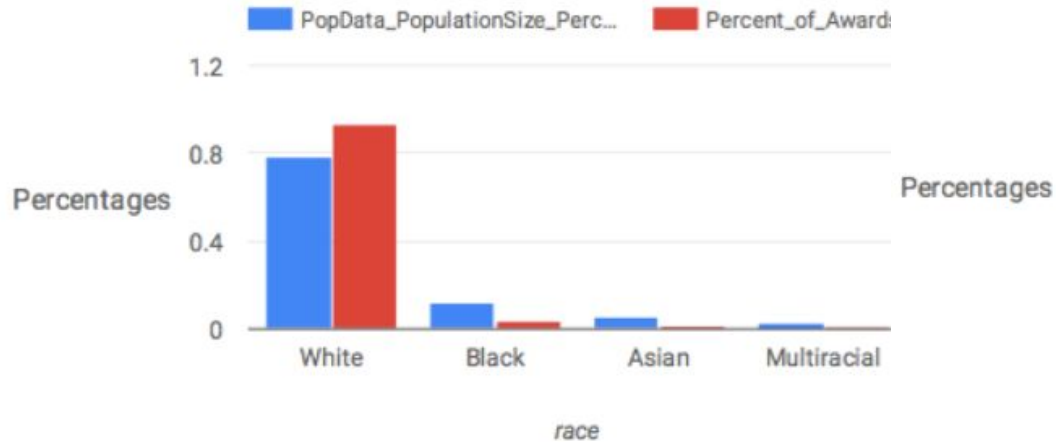


Views

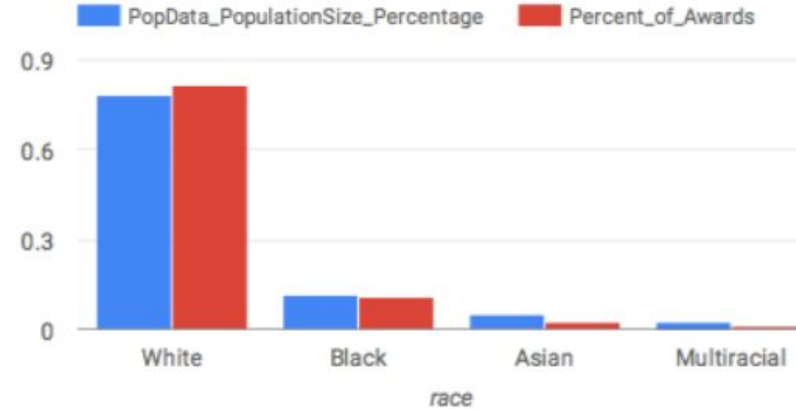
4 Views:

1. AwardType_AfterYear1999_Distrubuted_By_Race_Compared_To_USPop
2. AwardType_Distributed_By_Race_Compared_To_USPop
3. Comparing_USPop_and_AwardCount_By_Race
4. Comparing_USPop_and_AwardCount_By_Race_After_Year1999

Data Studio Visualizations

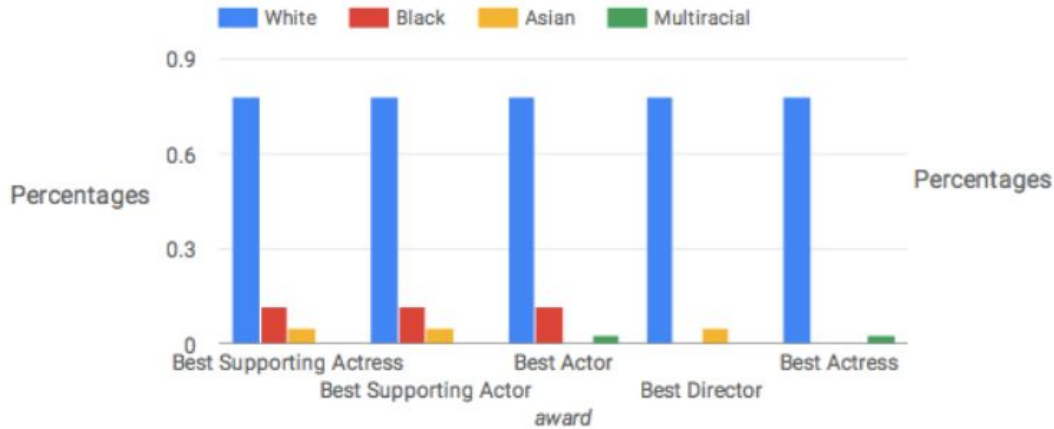


US Population Demographic Percentages Compared to Percent of Oscar Awards Given by Race

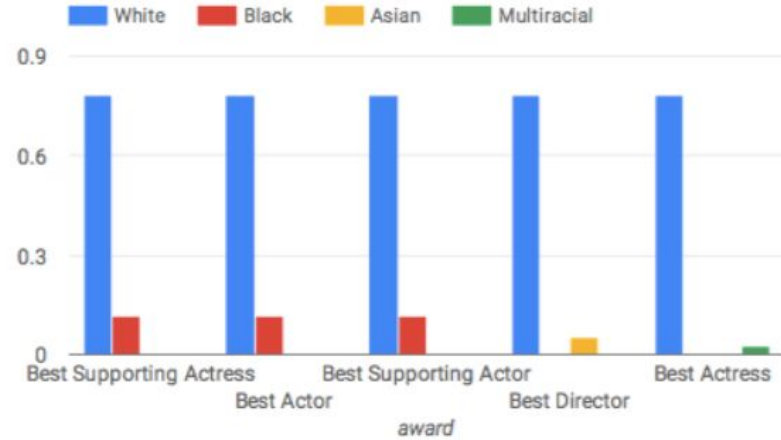


US Population Demographic Percentages Compared to Percent of Oscar Awards Given by Race After 1999

Data Studio Visualizations



US Population Demographic Percentages Compared to Percent of Oscar Awards Given by Race by Award Type



US Population Demographic Percentages Compared to Percent of Oscar Awards Given by Race by Award Type after 1999

SOLUTIONS

We see an increase in awards given as the years go by. However, the majority of the awards are still received by the White population.

Future Improvements:

- Include more census data and Oscar Award data from previous and recent years
- Expand on award data (include music awards, YouTube awards, etc.)