Cloud Computing Assignment 3

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Aws S3:

Start time: 0.047491172315478176

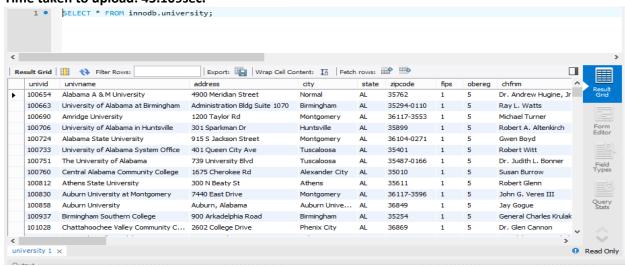
Time taken for both files to upload: 0.009523276811858598

End time: 0.057014449127336775

Rdb: hd2013

CREATE TABLE university (univid VARCHAR(100), univname VARCHAR(100), address VARCHAR(100), city VARCHAR(100), state VARCHAR(100), zipcode VARCHAR(100), fips VARCHAR(100), obereg VARCHAR(100), chfnm VARCHAR(100), chftitle VARCHAR(100), gentele VARCHAR(100), Faxtele VARCHAR(100), ein VARCHAR(100), opeid VARCHAR(100), opeflag VARCHAR(100), webaddr VARCHAR(100), adminurl VARCHAR(100), faidurl VARCHAR(100), applurl VARCHAR(100), npricurl VARCHAR(100), sector VARCHAR(100), iclevel VARCHAR(100), control VARCHAR(100), hloffer VARCHAR(100), ugoffer VARCHAR(100), groffer VARCHAR(100), hdegofr1 VARCHAR(100), deggrant VARCHAR(100), hbcu VARCHAR(100), hospital VARCHAR(100), medical VARCHAR(100), tribal VARCHAR(100), locale VARCHAR(100), openpub VARCHAR(100), act VARCHAR(100), newid VARCHAR(100), deathyear VARCHAR(100), closeddate VARCHAR(100), cyactive VARCHAR(100), postsec VARCHAR(100), tseflag VARCHAR(100), pset4flg VARCHAR(100), rptmth VARCHAR(100), ialias VARCHAR(100), instcat VARCHAR(100), ccbasic VARCHAR(100), ccipug VARCHAR(100), ccipgrad VARCHAR(100), ccugpro VARCHAR(100), ccenrprf VARCHAR(100), ccsizset VARCHAR(100), carnegie VARCHAR(100), landgrn VARCHAR(100), instsize VARCHAR(100), cbsa VARCHAR(100), cbsatype VARCHAR(100), csa VARCHAR(100), necta VARCHAR(100), f1syscod VARCHAR(100), countycode int(100), countynm VARCHAR(100), cngdstcd int(100), longitude VARCHAR(100), latitude VARCHAR(100));

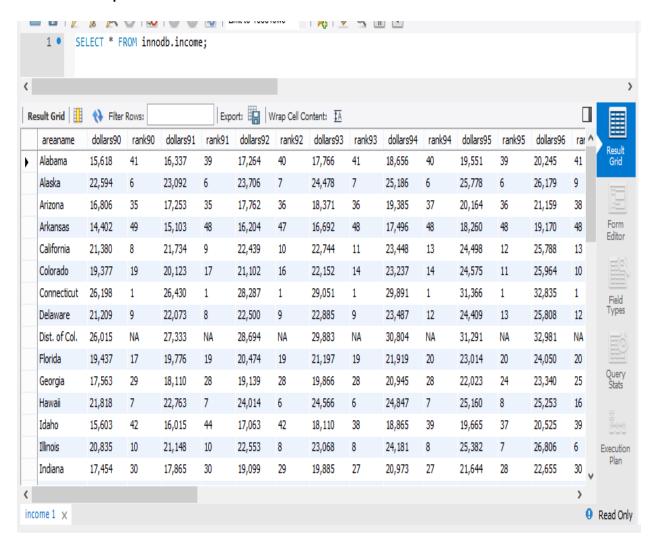
Time taken to upload: 45.109sec.



Us-pci:

create table income (areaname varchar(100), dollars90 varchar(100), rank90 varchar(100), dollars91 varchar(100), rank91 varchar(100), dollars92 varchar(100), rank92 varchar(100), dollars93 varchar(100), rank93 varchar(100), dollars94 varchar(100), rank94 varchar(100), dollars95 varchar(100), rank95 varchar(100), dollars96 varchar(100), rank96 varchar(100), dollars97 varchar(100), rank97 varchar(100), dollars98 varchar(100), rank98 varchar(100), dollars99 varchar(100), rank99 varchar(100), dollars00 varchar(100), rank00 varchar(100), dollars01 varchar(100), rank01 varchar(100), dollars02 varchar(100), rank02 varchar(100), dollars03 varchar(100), rank03 varchar(100), dollars04 varchar(100), rank04 varchar(100), dollars05 varchar(100), rank05 varchar(100), dollars07 varchar(100), rank07 varchar(100), dollars08 varchar(100), rank08 varchar(100), dollars09 varchar(100), rank09 varchar(100), dollars10 varchar(100), rank10 varchar(100), dollars11 varchar(100), rank11 varchar(100), dollars12 varchar(100), rank12 varchar(100), average varchar(100));

Time taken to upload: 0.344



Code used to load the csv file to mysql

LOAD DATA LOCAL INFILE 'C:/Users/Adithya/Desktop/us-pci.csv' INTO TABLE income FIELDS TERMINATED BY ','
ENCLOSED BY ''''
LINES TERMINATED BY '\r\n'
IGNORE 1 LINES;

Queries:

- select count(univid), state from university group by university.state order by count(univid) desc;
- 2) select average, areaname from income order by average desc;

Output:

Output.			
No.Of.INST	State	Average PCI	Highest PCI State
789	CA	47,373	Dist. of Col.
481	NY	21 , 595	Connecticut
479	TX	19,818	New Jersey
406	PA	19 , 560	Massachusetts
402	FL	18,562	Maryland
383	ОН	18,560	New York
320	IL	17,174	New Hampshire
226	MO	16,945	Virginia
204	MI	16,921	California
199	NC	16,898	Alaska
199	GA	16,894	Colorado
197	MA	16,832	Illinois
190	TN	16,719	Minnesota
178	VA	16,583	Washington
173	NJ	16,461	Wyoming
158	PR	16,222	Delaware
149	OK	16,085	Hawaii
149	MN	16,043	Rhode Island
146	AZ	15 , 771	Nevada
141	CO	15 , 755	Pennsylvania
139	IN	15 , 355	Florida
128	LA	15,231	Nebraska
128	WA	15,060	Kansas
127	WI	15,047	Wisconsin
117	KY	14,951	Vermont
113	SC	14,710	Texas
105	MD	14,705	Ohio
100	CT	14,658	Oregon
99	OR	14,657	Michigan
96	IA	14,590	North Dakota
96	KS	14,582	South Dakota
93	AL	14,551	Iowa
88	AR	14,523	Missouri
88	UT	14,362	Georgia
79	WV	14,169	Maine
64	MS	14,140	North Carolina
53	NE	14,024	Indiana
53	NV	13,942	Tennessee
52	NM	13,729	Arizona
44	NH	13,479	Louisiana

44	ID	13,458	Oklahoma
43	ME	13,074	Montana
31	MT	13,032	Alabama
31	SD	12,908	South Carolina
30	ND	12,894	Idaho
28	HI	12,802	Kentucky
28	VT	12 , 777	Utah
25	DC	12,588	New Mexico
24	RI	12,388	Arkansas
21	DE	12,099	West Virginia
12	AK	11,709	Mississippi

Inference:

From the above results, we notice that the state with the least number of institutes = 25 being District of Columbia has the highest per capita income of 47,373. Hence we infer that it is not necessary for a state to have maximum number of institutions in order to have the maximum per capita incomes.

References:

http://boto.readthedocs.org/en/latest/s3_tut.html

http://aws.amazon.com/

https://www.google.com/

http://www.mysql.com/

http://dev.mysql.com/downloads/connector/j/

http://dev.mysql.com/doc/connector-j/en/connector-j-usagenotes-connect-drivermanager.html

http://www.youtube.com/watch?v=UQADy_y14B4

http://stackoverflow.com/questions/14127529/mysql-import-data-from-csv-using-load-data-infile

http://www.youtube.com/watch?v=jSJU0YI-e0E