

--<https://nces.ed.gov/ccd/stnfis.asp>

--In 2008, Which STATE/STATES has an ENROLLment that is more than WASHINGTON but less than GEORGIA?

```
SELECT STATE, ENROLL
FROM education
WHERE YEAR = '2008' AND
      ENROLL >
      (SELECT ENROLL
       FROM education
       WHERE STATE = 'WASHINGTON' AND YEAR = '2008')
      AND ENROLL <
      (SELECT ENROLL
       FROM education
       WHERE STATE = 'GEORGIA' AND YEAR = '2008')
```

	STATE	ENROLL
1	NEW_JERSEY	1353191.0
2	NORTH_CAROLINA	1408316.0
3	RHODE_ISLAND	143812.0
4	SOUTH_DAKOTA	121606.0
5	VIRGINIA	1230857.0
6	ALASKA	130624.0
7	DELAWARE	114062.0
8	INDIANA	1033329.0
9	MONTANA	142695.0

--Return a list of columns that contain "_HI_M" (Hispanic - Male demographic)

```
select COLUMN_NAME
from INFORMATION_SCHEMA.COLUMNS
where COLUMN_NAME like '%_HI_M%'
```

	COLUMN_NAME
1	G01_HI_M
2	G02_HI_M
3	G03_HI_M
4	G04_HI_M
5	G05_HI_M
6	G06_HI_M
7	G07_HI_M
8	G08_HI_M
9	G09_HI_M
10	G10_HI_M
11	G11_HI_M
12	G12_HI_M
13	KG_HI_M
14	PK_HI_M
15	G01_HI_M
16	G02_HI_M
17	G03_HI_M

--Create new table from the query results of all enrolment numbers from pre k to 12th grade from every state

```

SELECT STATE, G01_HI_M, G02_HI_M, G03_HI_M,
           G04_HI_M, G05_HI_M, G06_HI_M,
           G07_HI_M, G08_HI_M, G09_HI_M,
           G10_HI_M, G11_HI_M, G12_HI_M,
           KG_HI_M, PK_HI_M
INTO HI_M_DEMO
FROM education
WHERE YEAR = 2010;

```

	STATE	G01_HI_M	G02_HI_M	G03_HI_M	G04_HI_M	G05_HI_M	G06_HI_M	G07_HI_M	G08_HI_M	G09_HI_M	G10_HI_M	G11_HI_M	G12_HI_M	KG_HI_M	PK_HI_M
1	ALABAMA	1900.0	1823.0	1617.0	1604.0	1445.0	1290.0	1277.0	1159.0	1247.0	1014.0	804.0	729.0	2051.0	323.0
2	ALASKA	312.0	310.0	306.0	302.0	335.0	334.0	295.0	292.0	288.0	278.0	295.0	311.0	305.0	100.0
3	ARIZONA	19150.0	18593.0	18220.0	18372.0	17953.0	17974.0	17414.0	17118.0	17231.0	16501.0	15240.0	16749.0	18787.0	2502.0
4	ARKANSAS	2239.0	2117.0	2057.0	1914.0	1837.0	1787.0	1685.0	1612.0	1733.0	1575.0	1389.0	1144.0	2379.0	916.0
5	CALIFORNIA	131763.0	127934.0	125104.0	124494.0	124700.0	122753.0	121234.0	122707.0	134805.0	127267.0	119761.0	118142.0	132186.0	
6	COLORADO	11216.0	11124.0	10754.0	10478.0	10354.0	10041.0	9521.0	9166.0	9724.0	8974.0	8034.0	8515.0	11390.0	6595.0
7	CONNECTICUT	4449.0	4258.0	4042.0	4028.0	3946.0	3907.0	3945.0	3702.0	4468.0	3769.0	3458.0	3061.0	4446.0	2103.0
8	DELAWARE	773.0	809.0	770.0	645.0	626.0	575.0	571.0	500.0	645.0	515.0	368.0	326.0	859.0	149.0
9	DISTRICT_OF_COLUMBIA	373.0	358.0	342.0	317.0	322.0	260.0	255.0	224.0	368.0	204.0	181.0	192.0	450.0	672.0
10	FLORIDA	30658.0	29945.0	31159.0	29436.0	29232.0	29437.0	28725.0	28567.0	29644.0	27739.0	24364.0	22463.0	29986.0	9356.0
11	GEORGIA	9645.0	9063.0	9178.0	8773.0	8108.0	7559.0	7124.0	6626.0	8469.0	6310.0	4308.0	3862.0	10682.0	3069.0
12	HAWAII	378.0	347.0	379.0	346.0	349.0	285.0	263.0	279.0	299.0	271.0	199.0	179.0	446.0	59.0
13	IDAHO	1930.0	1821.0	1840.0	1819.0	1806.0	1739.0	1772.0	1703.0	1743.0	1536.0	1381.0	1384.0	1936.0	233.0
14	ILLINOIS	19857.0	19822.0	19329.0	19197.0	18694.0	18018.0	17850.0	17281.0	18820.0	18048.0	14180.0	12901.0	19490.0	11711.0
15	INDIANA	4303.0	4039.0	3728.0	3943.0	3376.0	3239.0	3098.0	3022.0	3189.0	2981.0	2608.0	2297.0	4123.0	906.0
16	IOWA	1827.0	1697.0	1651.0	1625.0	1641.0	1507.0	1435.0	1435.0	1520.0	1427.0	1202.0	1215.0	2038.0	1361.0
17	KANSAS	2272.0	2241.0	2176.0	2162.0	2182.0	2042.0	2081.0	2017.0	2022.0	2044.0	2127.0	1976.0	2642.0	2140.0

--returns the average number of 12th grade hispanic males students in 2010

```

SELECT
  STATE = CASE GROUPING(STATE) WHEN 1 THEN 'AVG' ELSE STATE END,
  G12_HI_M = AVG(
    CAST(replace([G12_HI_M], ' ', '') AS FLOAT)
  )
FROM HI_M_DEMO
GROUP BY ROLLUP(STATE)

```

	STATE	G12_HI_M
37	OKLAHOMA	1637
38	OREGON	4174
39	PENNSYLVANIA	4424
40	RHODE_ISLAND	816
41	SOUTH_CAROLINA	871
42	SOUTH_DAKOTA	95
43	TENNESSEE	1238
44	TEXAS	65475
45	UTAH	2682
46	VERMONT	40
47	VIRGINIA	4045
48	WASHINGTON	5778
49	WEST_VIRGINIA	80
50	WISCONSIN	2249
51	WYOMING	302
52	AVG	6762.94...