**POP DENSITY**

SELECT n.area\_name, n.population/n.land\_area AS "population\_density"

FROM neighbourhoods n JOIN sa2\_2016\_aust sa2 ON(n.area\_name = sa2.sa2\_name16)

WHERE LOWER(sa2.gcc\_name16) LIKE '%sydney%'

**DWELLING DENSITY**

SELECT area\_name, number\_of\_dwellings/land\_area AS "dwelling\_density"

FROM neighbourhoods n JOIN sa2\_2016\_aust sa2 ON(n.area\_name = sa2.sa2\_name16)

WHERE LOWER(sa2.gcc\_name16) LIKE '%sydney%'

**BUSINESS DENSITY**

SELECT area\_name, number\_of\_businesses/land\_area AS "business\_density"

FROM neighbourhoods n JOIN sa2\_2016\_aust sa2 ON(n.area\_name = sa2.sa2\_name16)

WHERE LOWER(sa2.gcc\_name16) LIKE '%sydney%'

**ASSISTIVE SERVICE DENSITY**

SELECT n.area\_name, b.health\_care\_and\_social\_assistance/n.land\_area AS "assistive\_service\_density"

FROM businessstats b JOIN neighbourhoods n USING(area\_name) JOIN sa2\_2016\_aust sa2 ON(n.area\_name = sa2.sa2\_name16)

WHERE LOWER(sa2.gcc\_name16) LIKE '%sydney%'

**SUBURB HILLINESS**

SELECT sa2.sa2\_name16 AS "suburb", COUNT(relativeheight) AS "height\_entries"

FROM spotheight s FULL OUTER JOIN sa2\_2016\_aust sa2 ON ST\_Contains(sa2.geom, s.geom)

WHERE LOWER(sa2.gcc\_name16) LIKE '%sydney%'

GROUP BY suburb

SELECT sa2.sa2\_name16 AS "suburb", MAX(s.relativeheight) - MIN(relativeheight) AS "hilliness"

FROM spotheight s JOIN sa2\_2016\_aust sa2 ON ST\_Contains(sa2.geom, s.geom)

WHERE LOWER(sa2.gcc\_name16) LIKE '%sydney%'

GROUP BY suburb

**AVERAGE SUBURB BFPL RISK AND BFPL PER SUBURB**

SELECT sa2.sa2\_name16 AS "suburb", AVG(rfs.category) AS "average\_risk\_category", (rfs.shape\_area/n.land\_area) AS "BFPL\_per\_suburb"

FROM rfsnswbfpl rfs, sa2\_2016\_aust sa2 JOIN neighbourhoods n ON(sa2.sa2\_name16=n.area\_name)

WHERE ST\_Contains(sa2.geom, rfs.geom)

AND LOWER(sa2.gcc\_name16) LIKE '%sydney%'

GROUP BY sa2.sa2\_name16, rfs.category, (rfs.shape\_area/n.land\_area)

**NEIGHBOURHOOD AFFLUENCE BY MEDIAN INCOME, AVG RENT**

SELECT n.area\_name AS "suburb", n.median\_annual\_household\_income AS "median\_income\_p.a.", n.avg\_monthly\_rent

FROM neighbourhoods n JOIN sa2\_2016\_aust sa2 ON(n.area\_name=sa2.sa2\_name16)

WHERE LOWER(sa2.gcc\_name16) LIKE '%sydney%'

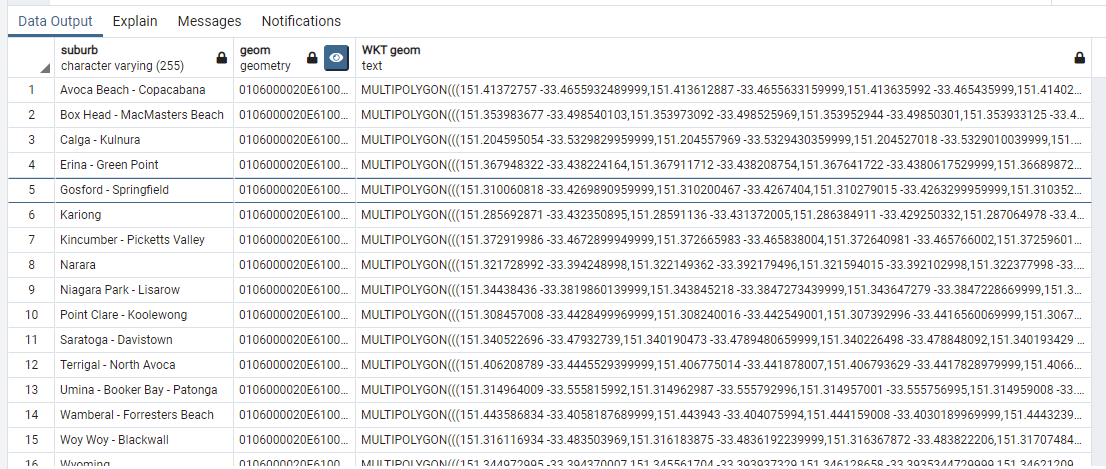
**SA1, SA2, SPOTHEIGHT JOIN RESTRICTED TO BLUE MOUNTAINS**

SELECT sa1.sa2\_name16 AS "suburb", sa1.geom AS "sa1Geoms", sa2.geom AS "sa2Geoms", s.geom AS "spotheightGeoms", s.relativeheight

FROM sa1\_2016\_aust sa1 JOIN sa2\_2016\_aust sa2 USING(sa2\_name16) JOIN spotheight s ON ST\_Contains(sa1.geom, s.geom)

WHERE LOWER(sa2.sa2\_name16) LIKE '%blue mountain%'

**Converting geom datatype to WKT**



SELECT sa2\_name16 AS "suburb", geom, ST\_AsText(geom) AS "WKT geom"

FROM sa2\_2016\_aust

WHERE LOWER(gcc\_name16) LIKE '%sydney%'

**New blue mtns join incl neighbouring areas**

SELECT sa1.sa2\_name16 AS "suburb", sa1.geom AS "sa1Geoms", sa2.geom AS "sa2Geoms", s.geom AS "spotheightGeoms", s.relativeheight

FROM sa1\_2016\_aust sa1 JOIN sa2\_2016\_aust sa2 USING(sa2\_name16) JOIN spotheight s ON ST\_Contains(sa1.geom, s.geom)

WHERE LOWER(sa2.sa2\_name16) IN (SELECT LOWER(sa2dup.sa2\_name16)

FROM sa2\_2016\_aust sa2main JOIN sa2\_2016\_aust sa2dup ON (ST\_Intersects(sa2main.geom, sa2dup.geom))

WHERE LOWER(sa2main.sa2\_name16) LIKE '%blue mountain%')

