1) Get 1,000 referenceids and memberids of listings started in the last month

SELECT ReferenceID, SellerMemberID

FROM `fact.listings`

WHERE StartDate >= 20180601

LIMIT 1000

* *Is possible to use “DATE\_FORMAT(NOW(), '%Y%m%d')” and BETWEEN*
* *I used to resolve this problem MySQL, but with SQL Server I’ve used “SELECT TOP 1000”*

2) Now select a list of memberids who listed more than 1 item

SELECT SellerMemberID, count(ReferenceID)

FROM `fact.listings`

GROUP BY SellerMemberID

HAVING COUNT(ReferenceID) >= 2

ORDER BY COUNT(ReferenceID) desc

3) Now select a list of 1,000 memberids who started a listing in the last month

SELECT SellerMemberID

FROM `fact.listings`

WHERE StartDate >= 20180601

LIMIT 1000

* *Is possible to use “DATE\_FORMAT(NOW(), '%Y%m%d')” and BETWEEN*
* *I used to resolve this problem MySQL, but with SQL Server I’ve used “SELECT TOP 1000”*

4) Restrict this to members who listed a car

SELECT FC\_LIST.SellerMemberID

FROM `fact.listings` AS FC\_LIST

INNER JOIN `Dimension.CategoryGroups` AS DM\_CAT

ON FC\_LIST.CategoryID = DM\_CAT.CategoryID AND

FC\_LIST.CategoryGroupID = DM\_CAT.dimCategoryGroupID

WHERE DM\_CAT.LevelTwoCategory = "Cars"

5) Now restrict this to members who live in Wellington, Hutt Valley, or Porirua

SELECT FC\_LIST.SellerMemberID

FROM `fact.listings` AS FC\_LIST

INNER JOIN `dimesion.membertype` AS DM\_MBR

ON FC\_LIST.SellerTypeID = DM\_MBR.dimMemberTypeID

WHERE DM\_MBR.SUBURB

IN ('Wellington', 'Hutt Valley', 'Porirua')

6) Now for each member add a count of how many listings they started

SELECT FC\_LIST.SellerMemberID, count(\*)

FROM `fact.listings` AS FC\_LIST

GROUP BY FC\_LIST.SellerMemberID

ORDER BY count(\*) DESC

7) Now for each member add the average StartPrice

SELECT FC\_LIST.SellerMemberID, AVG(FC\_LIST.StartPrice)

FROM `fact.listings` AS FC\_LIST

GROUP BY FC\_LIST.SellerMemberID

ORDER BY AVG(NoOfPhotos) DESC

8) Now for each member add the median number of photos they use on their listings

X