

Dataset import + nodes and relationships creation

```
LOAD CSV WITH HEADERS FROM 'file:///Users/
claudio/Desktop/Melbourne.csv' AS row
MERGE (e:Suburb_X {Suburbname:row.Suburb})
WITH e,row
UNWIND split(row.Regionname, ':') AS
Region_X
MERGE(s:Region_X {name:Region_X})
MERGE (s)-[r:HAS_1]->(e)
WITH e,row
UNWIND split(row.Address, ':') AS House_X
MERGE(h:House_X {name:House_X})
MERGE (e)-[x:Has_2]->(h)
WITH h,row
UNWIND split(row.SellerG, ':') AS SellerG_X
MERGE(g:SellerG_X {name:SellerG_X})
MERGE (h)-[y:SOLD_3]->(g)
```

Nodes created: Region, Suburb, House, Seller
Relationships created: Region has Suburbs,
Suburbs has Houses, Houses sold by Sellers

Query 1)

```
MATCH p=()-[r:HAS_1]->()-[x:Has_2]->()-
[y:SOLD_3]->() RETURN p LIMIT 100
```

Display regions, their suburbs, suburbs'
houses and for each house its seller(s)

Query 2)

```
MATCH p=()-[r:Has_2]->() RETURN p LIMIT 300
```

Display suburbs and their houses

Query 3)

```
MATCH p=(s:Region_X)-[r:HAS_1]-  
>(e:Suburb_X)-[x:Has_2]->(h:House_X)-  
[y:SOLD_3]->(g:SellerG_X) WHERE s.name  
CONTAINS "Northern Metropolitan" RETURN p  
LIMIT 200
```

Similar to query 1 filtered for a specific region (Northern Metropolitan region)