Exercici 3. Analítica de Grafs:

a) Anàlisi de components connexes

Execució de l'algorisme en mode *stream*:

```
CALL gds.wcc.stream($generatedName, $config) YIELD nodeId,
componentId AS community
WITH gds.util.asNode(nodeId) AS node, community
WITH collect(node) AS allNodes, community
RETURN community, allNodes[0..$communityNodeLimit] AS nodes,
size(allNodes) AS size
ORDER BY size DESC
LIMIT 1;
```

a.1) Identificació de les components connexes més grans

```
CALL gds.wcc.stream($generatedName, $config)
YIELD nodeId, componentId AS community
WITH gds.util.asNode(nodeId) AS node, community
WITH community, collect(node) AS allNodes
RETURN community, size(allNodes) AS size
ORDER BY size DESC
LIMIT 10;
```

a.2) Quantitat de components sense cap node habitatge

```
CALL gds.wcc.stream($generatedName, $config)
YIELD nodeId, componentId AS community
WITH community, collect(gds.util.asNode(nodeId)) AS nodes
WITH community, [node IN nodes WHERE 'Habitatge' IN labels(node)] AS
habitatges
WHERE size(habitatges) = 0
RETURN count(community) AS components_sense_habitatge;
```