

# Location Based Recommendations



## Location based recommendations



Location is very important when making recommendations, especially for meetups. When going to events after work people want to go somewhere nearby rather than trekking across the city.



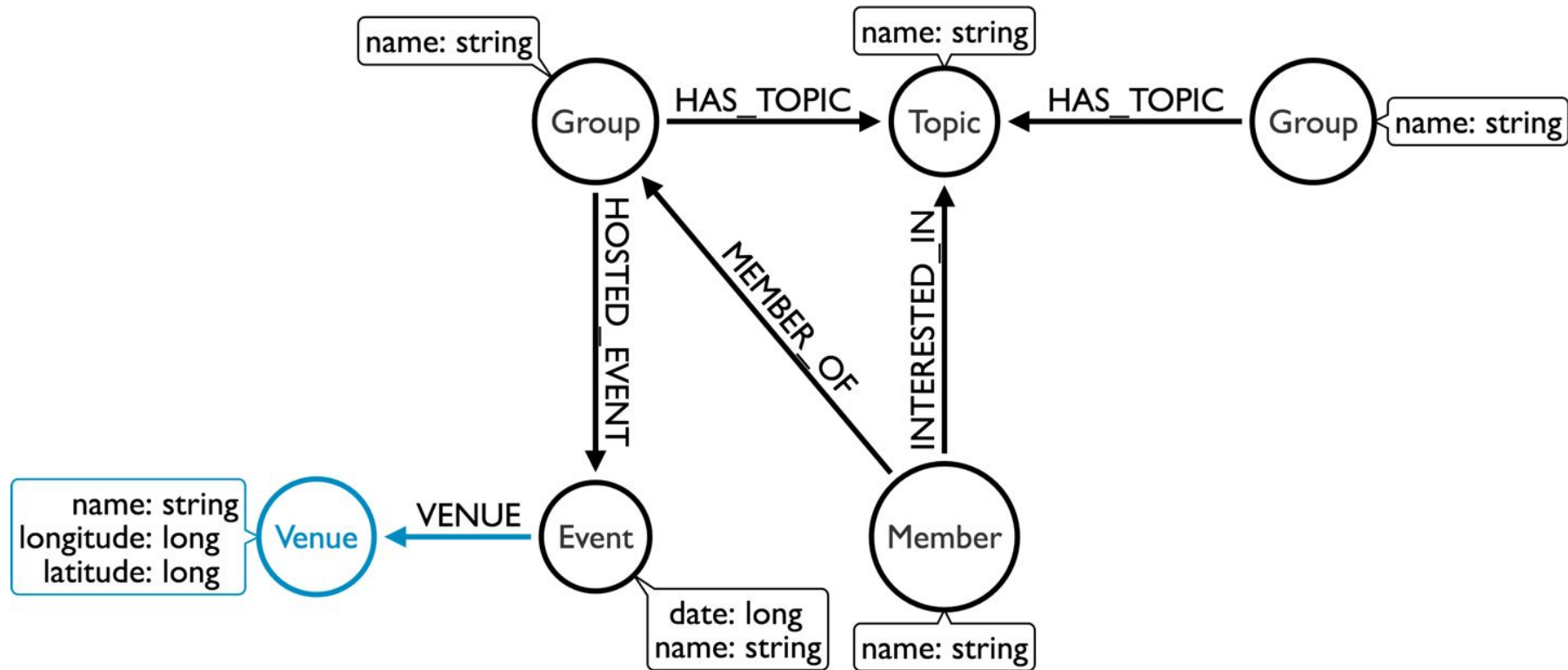
# What are we going to do?



- Add venues to the model
  - This time you're going to do the import!
- Recommend events that are close by



## Adding venues to the model



# Start playing the next guide....



...if you aren't playing it already

▶ Venues

:play [http://guides.neo4j.com/reco/file/05\\_venues.html](http://guides.neo4j.com/reco/file/05_venues.html)



# Answers

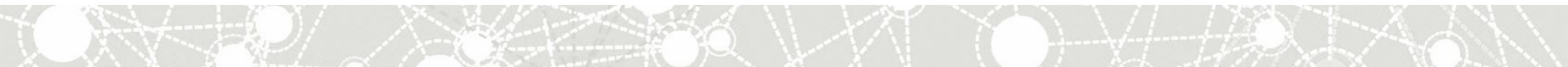


## Answers



Type the following command into the Neo4j browser query pane to see the answers:

:play <http://guides.neo4j.com/reco/answers/5a.html>





# Distances





## Calculating distances



The **distance** function lets us find the distance in metres between two points



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The **distance** function lets us find the distance in metres between two points

Points can be maps or nodes which contain the properties 'latitude' and 'longitude'.

```
RETURN distance(point1, point2)
```



## Calculating distances



```
WITH point({latitude: 37.7952919, longitude: -122.4036433}) AS p1,  
      point({latitude: 51.486323, longitude: -0.106042}) AS p2  
  
RETURN distance(p1, p2)  
  
8626170.522263126
```

## Continue with the guide



Continue playing the guide in your browser



# Answers



## Answers



Type the following command into the Neo4j browser query pane to see the answers:

```
:play http://guides.neo4j.com/reco/answers/5b.html
```





## Continue with the guide



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