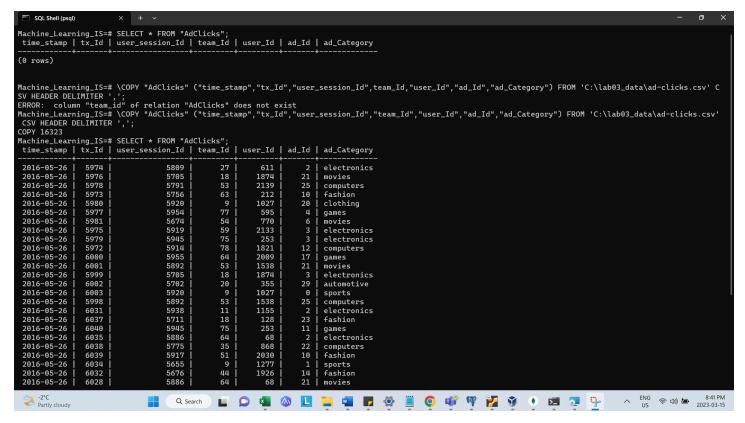
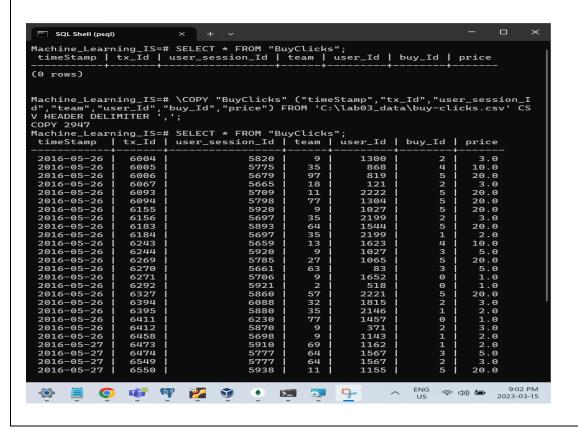
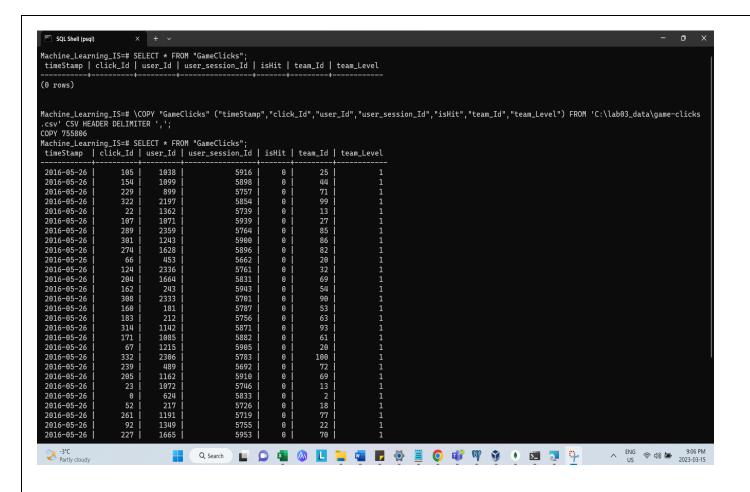
## Lab3 - CIS\*6180/DATA\*6300

Student ID – 1238693 Kusumitha Korrapati

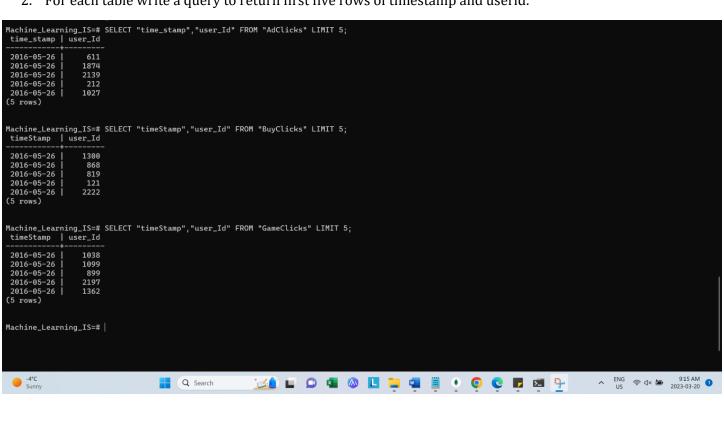
## 1. Import data into Postgres SQL [1 point]







2. For each table write a query to return first five rows of timestamp and userid.



3. What is the maximum, minimum and average level a team has reached in game clicks (1 point)?

```
Machine_Learning_IS=# select max("team_Level") as "MaximumLevel",min("team_Level") as "MinimumLevel",avg("team_Level") as "AvergaeLevel" from "GameClicks";

ERROR: syntax error at or near "select"

LINE 2: select max("team_Level") as "MaximumLevel",min("team_Level") as "MinimumLevel",avg("team_Level") as "AvergaeLevel" from "GameClicks";

Machine_Learning_IS=# SELECT max("team_Level",min("team_Level")...

**MaximumLevel | MinimumLevel | AvergaeLevel" as "MaximumLevel",min("team_Level") as "MinimumLevel",avg("team_Level") as "AvergaeLevel" FROM "GameClicks";

MaximumLevel | MinimumLevel | AvergaeLevel"

**B | 1 | 4.5617327726956388

(1 row)

Machine_Learning_IS=#

Q Search

Q Search

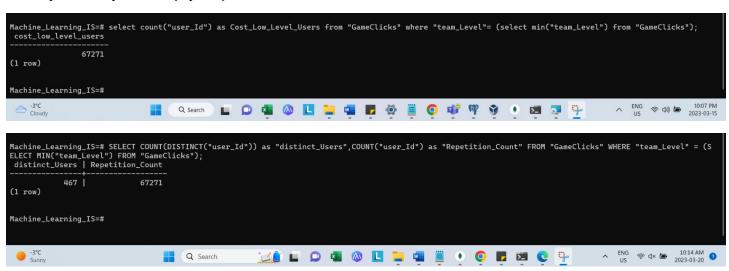
Q Search

Q Search

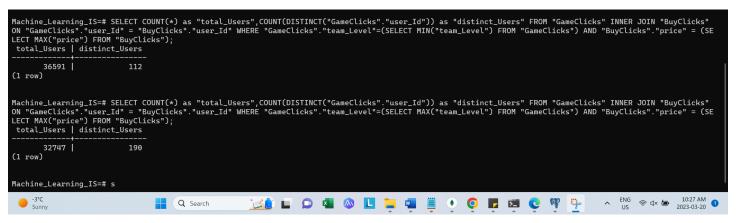
Q Search

MaximumLevel | MinimumLevel | Mini
```

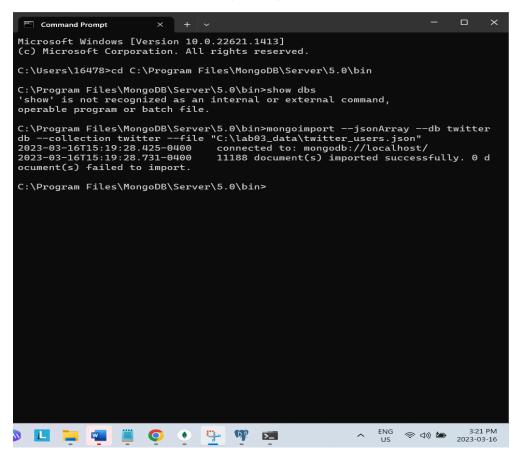
4. How many user-id's (both distinct and with repetition) were on the lowest level as found in the previous question? (1 point)



- 5. How many user-id's (both distinct and with repetition) were on the lowest level in game-clicks and clicked the highest costing price in buy-clicks? (1 point)
- 6. How many user-id's (both distinct and with repetition) were on the highest level in game-clicks and clicked the highest costing price in buy-clicks? (1 point)



7. Import data into MongoDB (1 point)



8. How man distinct users are in this dataset? (1 point)

```
ObjectId("64136bc0d4d6d01c4fe3f381"),
ObjectId("64136bc0d4d6d01c4fe3f382"),
ObjectId("64136bc0d4d6d01c4fe3f383"),
ObjectId("64136bc0d4d6d01c4fe3f384"),
ObjectId("64136bc0d4d6d01c4fe3f385"),
ObjectId("64136bc0d4d6d01c4fe3f386"),
ObjectId("64136bc0d4d6d01c4fe3f387"),
ObjectId("64136bc0d4d6d01c4fe3f388")

]
> db.twitter.distinct("_id").length
11188
>
```

9. What is the username of the twitter account who has a tweet\_followers\_count of exactly 1241159? (1 point)

```
> db.twitter.find({"tweet_followers_count":1241159});
{ "_id" : ObjectId("64136bc004466d01c4fe3ca9b"), "user_name" : "midoahm", "retweet_count" : 0, "tweet_followers_count" : 1241159, "source" : "<a href=\"http:
//twitter.com/download/iphone\" rel=\"nofollow\">Twitter for iPhone</a>", "coordinates" : null, "tweet_mentioned_count" : 1, "tweet_ID" : "75763788259678016
1", "tweet_text" : "RT @TSBible: Throwback to FIFA 94 when you could run away from the ref when he tried to book you. https://t.co/Bxyq3vrlNH", "user" :
{ "CreatedAt" : NumberLong("1278165896000"), "FavouritesCount" : 181, "FollowersCount" : 1241159, "FriendsCount" : 500, "UserId" : 162385414, "Location" : "
Doha, Qatar" } }
> db.twitter.find({"tweet_followers_count":1241159}, {"user_name":1,"_id":0});
{ "user_name" : "midoahm" }
> 

Q Search

Q Search

Q Search

A ENG
US

A Search

A Search
```

10. How many tweets contain the word "FIFA"? (1 point)

11. How many tweets mention the word FIFA and have the tweet\_mentioned\_count greater than 5? (1 point)

```
twitterdb> db.twitter.find({"tweet_text":{$regex:"FIFA" }, "tweet_mentioned_count":{$gt :5}}).count()

0
twitterdb> db.twitter.find({"tweet_text":{$regex:"FIFA" }, "tweet_mentioned_count":{$gt :1}}).count()

402
twitterdb> db.twitter.find({"tweet_text":{$regex:"FIFA" }, "tweet_mentioned_count":{$gt :2}}).count()

76
twitterdb> db.twitter.find({"tweet_text":{$regex:"FIFA" }, "tweet_mentioned_count":{$gt :3}}).count()

6
twitterdb> db.twitter.find({"tweet_text":{$regex:"FIFA" }, "tweet_mentioned_count":{$gt :4}}).count()

1
twitterdb> db.twitter.find({"tweet_text":{$regex:"FIFA" }, "tweet_mentioned_count":{$gt :5}}).count()

0
twitterdb>

2
Sunny

Q Search

Q Search
```

12. What location has the most distinct users talking about FIFA in this dataset? (1 point)

```
:witterdb> db.twitter.aggregate([{$match: {"tw
.count: {    $sum: 1    }}},{$sort: {    count: -1    }}])
                                                                                           {\freqex : "FIFA"}}},{ \frac{\pmatch: { "user.Location": { \frac{\pmatch: { \pmatch: {_id}
              'Nigeria', count: 81 },
'United States', count: 37 },
'Lagos, Nigeria', count: 26 },
'Uk', count: 23 },
'London', count: 23 },
'London', count: 22 }
     _id:
_id:
                         tount: 23 f,

1, England', count: 22 },

Nigeria', count: 15 },

id', count: 15 },

count: 13 },

ster', count: 10 },

i', count: 9 },
      _id:
_id:
      _id:
_id:
                    land', count: 9 },
ted Kingdom'
     _id:
_id:
             'Iretand', count: 8 },
'United Kingdom', count: 8 },
'Abuja', count: 8 },
'Bournemouth', count: 8 },
'Liverpool', count: 8 },
'Dublin', count: 7 },
'England, United Kingdom', count: 7 }
      id:
     _id:
     _id:
_id:
      _id:
      id:
Type "it" for more
{pregex : "FIFA"}}}, { match: { "user.Location": { sne: null } } }, {sgroup: {_id: "suser.Location"
twitterdb> s
                                                                                                                                                                                                               🚧 🔲 🔎 💶 🔕 📘 🚍 🖷 🗒 🕔 🧿 🖫 🖼 🦫
                                                         Q Search
```

