**Following are the MongoDB queries used:**

**For graphs\_daily:**

myclient = pymongo.MongoClient("mongodb://localhost:27017/")

db = myclient.Jcomp

Con\_KL=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"KL":1})))

Rec\_KL=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"KL":1})))

Dec\_KL=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"KL":1})))

Con\_MH=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"MH":1})))

Rec\_MH=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"MH":1})))

Dec\_MH=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"MH":1})))

Con\_GA=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"GA":1})))

Rec\_GA=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"GA":1})))

Dec\_GA=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"GA":1})))

Con\_KA=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"KA":1})))

Rec\_KA=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"KA":1})))

Dec\_KA=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"KA":1})))

Con\_UP=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"UP":1})))

Rec\_UP=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"UP":1})))

Dec\_UP=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"UP":1})))

Con\_TN=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"TN":1})))

Rec\_TN=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"TN":1})))

Dec\_TN=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"TN":1})))

Con\_DL=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"DL":1})))

Rec\_DL=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"DL":1})))

Dec\_DL=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"DL":1})))

Con\_AP=pd.DataFrame(list(db.covid\_daily.find({"Status":"Confirmed"},{"\_id":0,"AP":1})))

Rec\_AP=pd.DataFrame(list(db.covid\_daily.find({"Status":"Recovered"},{"\_id":0,"AP":1})))

Dec\_AP=pd.DataFrame(list(db.covid\_daily.find({"Status":"Deceased"},{"\_id":0,"AP":1})))

**For graphs\_acc:**

myclient = pymongo.MongoClient("mongodb://localhost:27017/")

db = myclient.Jcomp

Dates\_to\_use=["2020-04-01","2020-05-01","2020-06-01","2020-07-01","2020-08-01","2020-09-01","2020-10-01","2020-11-01","2020-12-01","2021-01-01","2021-02-01","2021-03-01","2021-04-01","2021-05-01"]

query1={"$match":{"$and":[{"State/UnionTerritory":"Maharashtra"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

mh=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

query1={"$match":{"$and":[{"State/UnionTerritory":"Kerala"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

kl=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

query1={"$match":{"$and":[{"State/UnionTerritory":"Goa"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

ga=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

query1={"$match":{"$and":[{"State/UnionTerritory":"Karnataka"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

ka=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

query1={"$match":{"$and":[{"State/UnionTerritory":"Uttar Pradesh"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

up=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

query1={"$match":{"$and":[{"State/UnionTerritory":"Tamil Nadu"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

tn=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

query1={"$match":{"$and":[{"State/UnionTerritory":"Delhi"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

dl=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

query1={"$match":{"$and":[{"State/UnionTerritory":"Andhra Pradesh"},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

ap=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))

**For map\_slider:**

myclient = pymongo.MongoClient("mongodb://localhost:27017/")

db = myclient.Jcomp

states\_to\_drop=['Unassigned','Dadra and Nagar Haveli and Daman and Diu','Cases being reassigned to states','Telangana','Ladakh']

Dates\_to\_use=["2020-04-01","2020-05-01","2020-06-01","2020-07-01","2020-08-01","2020-09-01", "2020-10-01","2020-11-01","2020-12-01","2021-01-01","2021-02-01","2021-03-01","2021-04-01","2021-05-01"]

query1={"$match":{"$and":[{"State/UnionTerritory":{"$nin":states\_to\_drop}},{"Date":{"$in":Dates\_to\_use}}]}}

query2={"$project":{"\_id":0,"Date":1,"State/UnionTerritory":1,"Cured":1,"Deaths":1,"Confirmed":1}}

df=pd.DataFrame(list(db.covid\_acc.aggregate([query1,query2])))