```
pip install gegravity
import pandas as pd
import gme as gme
import gegravity as ge
gravity_data_location = r"C:\Users\singh\OneDrive\Desktop\IIT Kanpur\IITK 6th
Semester\ECS\Herman-Trade\Real_Final_Data.csv"
grav_data = pd.read_csv(gravity_data_location)
grav data
gme_data = gme.EstimationData (grav_data,
                                                               imp_var_name = "iso3_d_x",
       exp_var_name = "iso3_o_x",
                                                        year_var_name = "year_x",
       trade_var_name = "exports") gme_model = gme.EstimationModel (gme_data, lhs_var
="Exports", rhs_var = ["contig_x", "comlang_off_x", "Indist_x", "international", "asean", "comlang
_ethno_x","col45_x","aifta"], fixed_effects =[["iso3_o_x"], ["iso3_d_x"]]) gme_model.estimate()
gme model.results dict["all"].summary()
ge_model = ge.OneSectorGE (gme_model, year = "2020", expend_var_name = "gdp_o_x",
output_var_name = "gdp_d_x", reference_importer = "USA", sigma = 5)
ge_model.build_baseline (omr_rescale =10)
print(ge_model.baseline_mr) exp_data = ge_model.baseline_data.copy()
#BRN exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="BRN") ,
"asean"] = 1 exp_data.loc [( exp_data["iso3_d_x"]=="BRN") & ( exp_data["iso3_o_x"]=="IND") ,
"asean"] = 1
#KHM exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="KHM") ,
"asean"] = 1 exp_data.loc [( exp_data["iso3_d_x"]=="KHM") & ( exp_data["iso3_o_x"]=="IND") ,
"asean"] = 1
#IDN exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="IDN") , "asean"]
= 1 exp_data.loc [(exp_data["iso3_d_x"]=="IDN") & (exp_data["iso3_o_x"]=="IND") ,"asean"] = 1
#LAO exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="LAO") ,
"asean"] = 1 exp data.loc [( exp data["iso3 d x"]=="LAO") & ( exp data["iso3 o x"]=="IND"),
"asean"] = 1
#MYS exp data.loc [(exp data["iso3 d x"]=="IND") & (exp data["iso3 o x"]=="MYS"),
"asean"] = 1 exp_data.loc [( exp_data["iso3_d_x"]=="MYS") & ( exp_data["iso3_o_x"]=="IND") ,
"asean"] = 1
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#MMR exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="MMR") ,
"asean"] = 1 exp_data.loc [( exp_data["iso3_d_x"]=="MMR") & ( exp_data["iso3_o_x"]=="IND") ,
"asean"] = 1
#PHL exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="PHL") ,
"asean"] = 1 \; exp\_data.loc \; [(\; exp\_data["iso3\_d\_x"] == "PHL") \; \& \; (\; exp\_data["iso3\_o\_x"] == "IND") \; ,
"asean"] = 1
#SGP exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="SGP") ,
"asean"] = 1 exp_data.loc [( exp_data["iso3_d_x"]=="SGP") & ( exp_data["iso3_o_x"]=="IND") ,
"asean"] = 1
#THA exp data.loc [( exp data["iso3 d x"]=="IND") & ( exp data["iso3 o x"]=="THA"),
"asean"] = 1 exp_data.loc [( exp_data["iso3_d_x"]=="THA") & ( exp_data["iso3_o_x"]=="IND") ,
"asean"] = 1
#VNM exp_data.loc [( exp_data["iso3_d_x"]=="IND") & ( exp_data["iso3_o_x"]=="VNM") ,
"asean"] = 1 exp_data.loc [( exp_data["iso3_d_x"]=="VNM") & ( exp_data["iso3_o_x"]=="IND") ,
"asean"] = 1
#Supply the updated data.
ge_model.define_experiment(exp_data)
ge model.simulate()
country results = ge model.country results
bilateral_results = ge_model.bilateral_trade_results
ge model.export results (directory =r"C:\Users\singh\OneDrive\Desktop\IIT Kanpur\IITK 6th
Semester\ECS\Another", name ="Results")
```