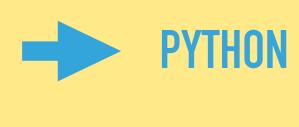
DATA ANALYSIS BY RINZE, JULIA & MALON

WHAT FACTORS IMPACT THE UNEMPLOYMENT RATE IN EU28?

TOOLS & METHODS



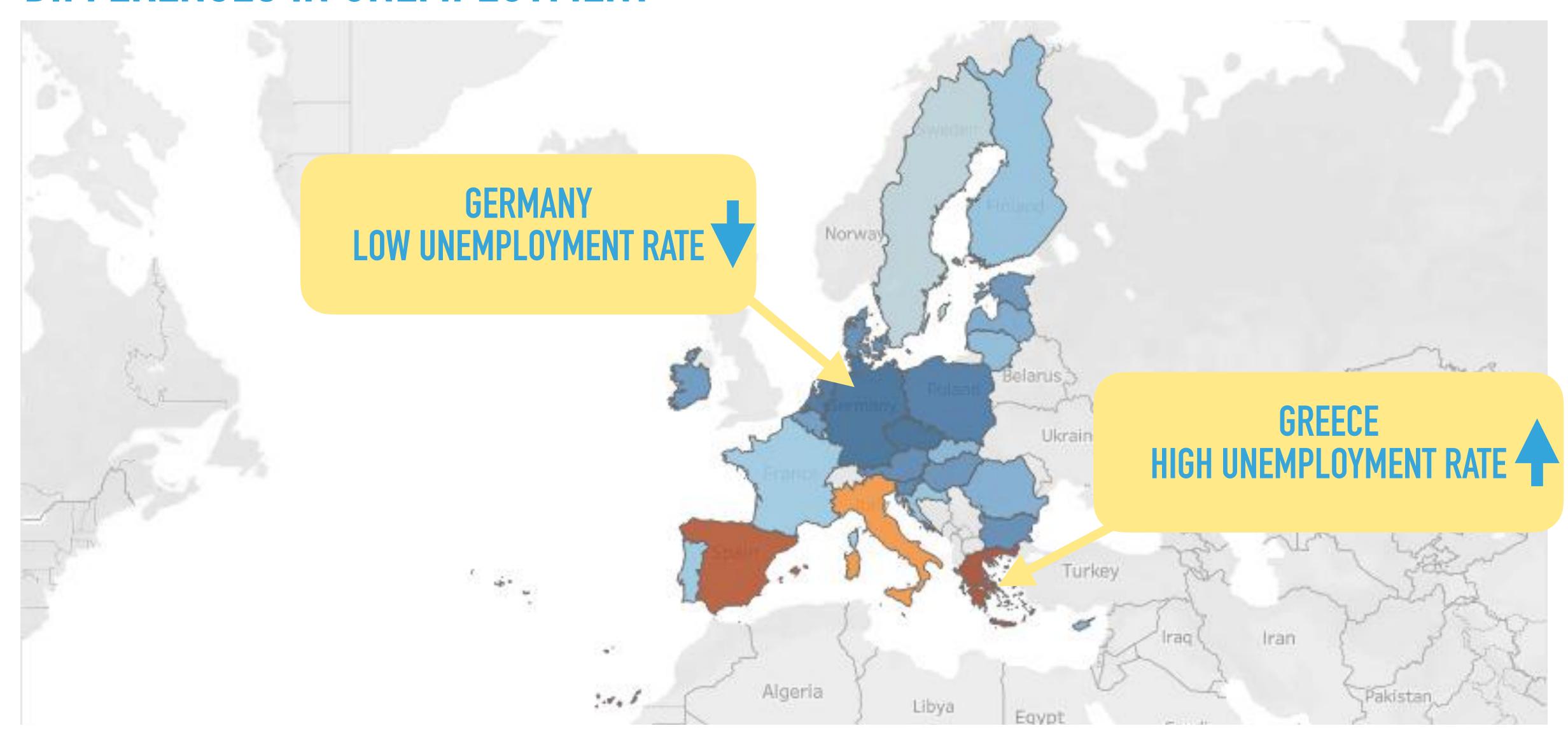




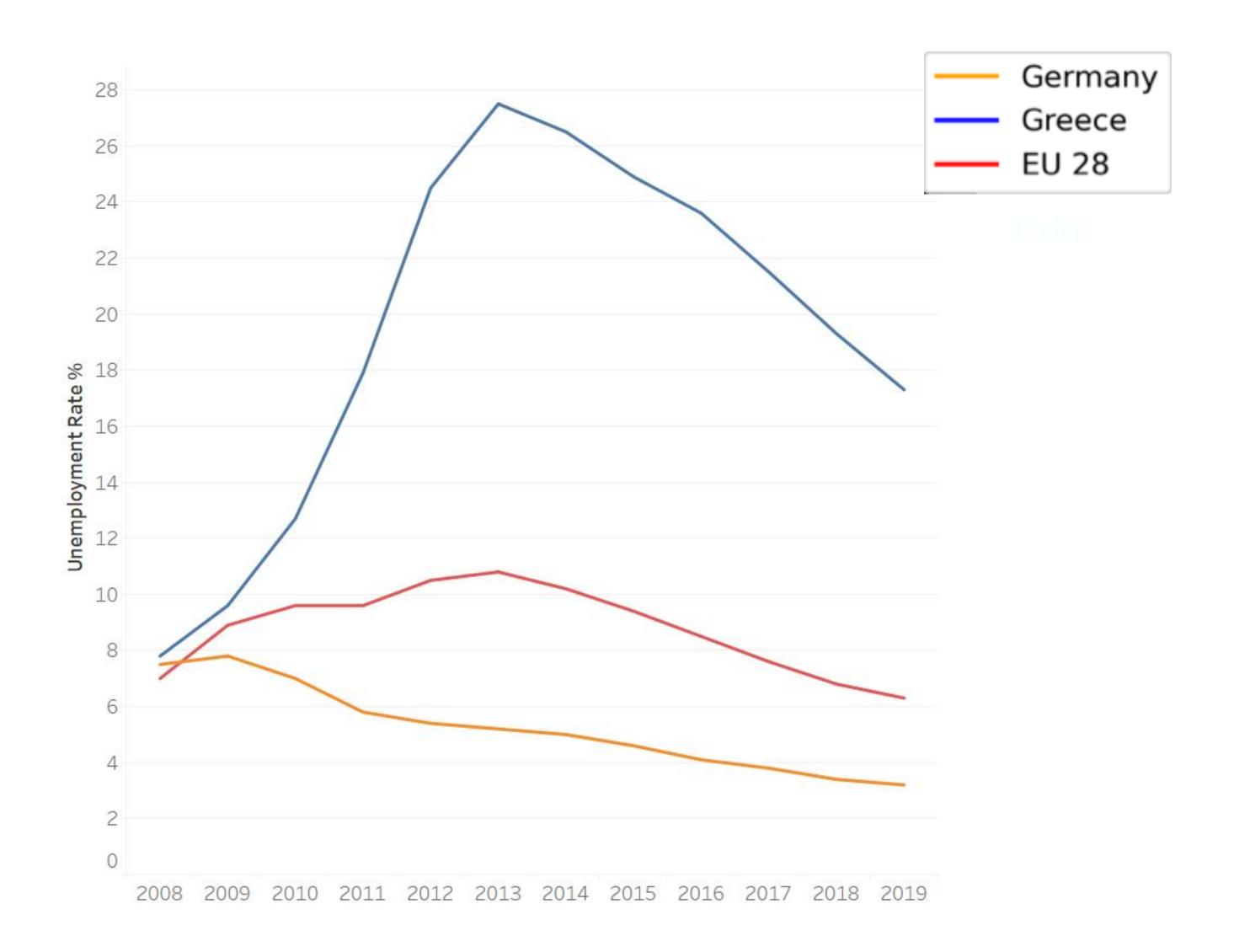


```
for c in countries:
   y = combi[f"u_{c}"]
   X = combi[["const", f"g_{c}"]]
   model = sm.OLS(y, X).fit()
   print(model.summary(), end="\n\n")
OLS Regression Results
Dep. Variable:
                                  R-squared:
                                                              0.953
                            u DE
Model:
                                  Adj. R-squared:
                                                              0.948
                    Least Squares F-statistic:
Method:
                                                              203.5
                  Thu, 17 Sep 2020 Prob (F-statistic):
                                                            5.65e-08
Date:
                        16:04:20 Log-Likelihood:
Time:
                                                             -3.4104
                                                              10.82
No. Observations:
                                  AIC:
Df Residuals:
                                  BIC:
                                                              11.79
Df Model:
Covariance Type:
                                                   [0.025
                                                              0.975]
              coef
                     std err
            16.2552
                       0.779
                               20.861
                                                   14.519
                                                              17.991
const
            -0.0002 1.67e-05 -14.267
g_DE
```

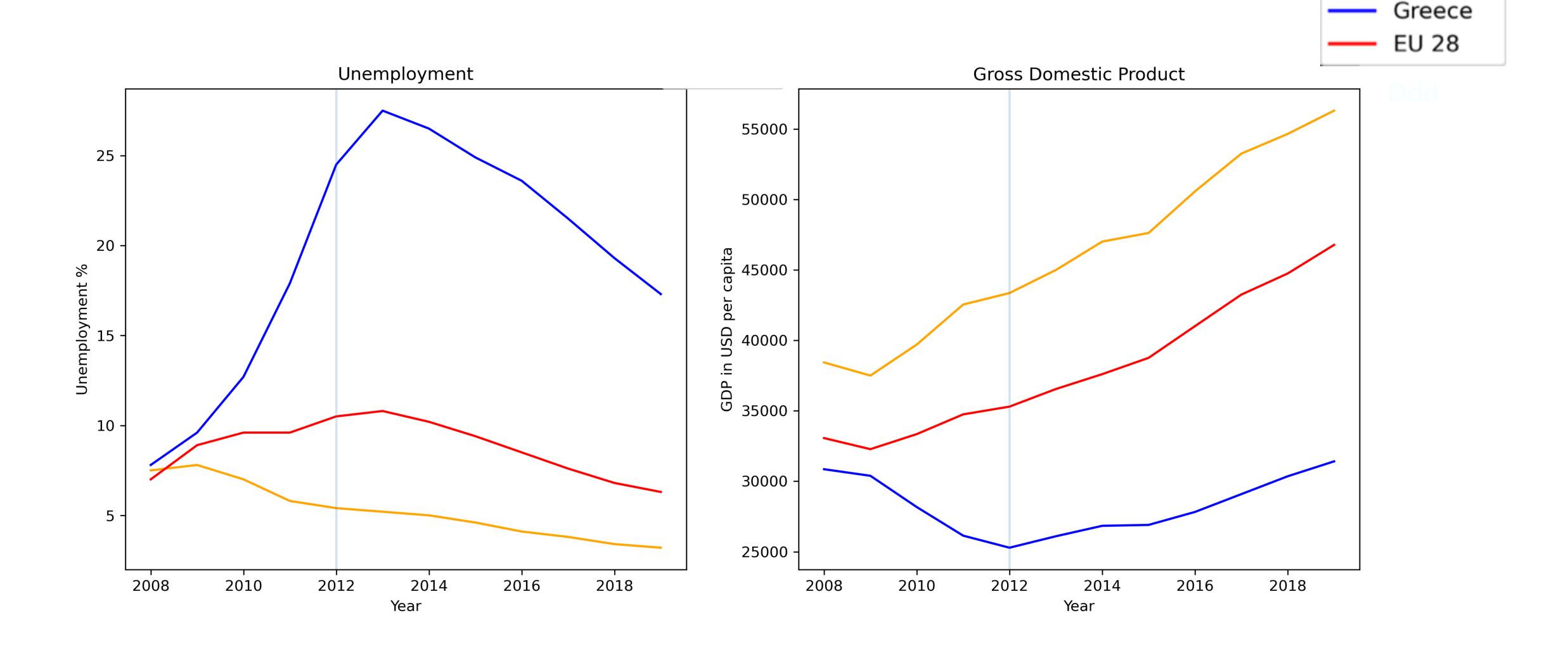
DIFFERENCES IN UNEMPLOYMENT



RISE OF UNEMPLOYMENT IN GREECE AFTER FINANCIAL CRISIS

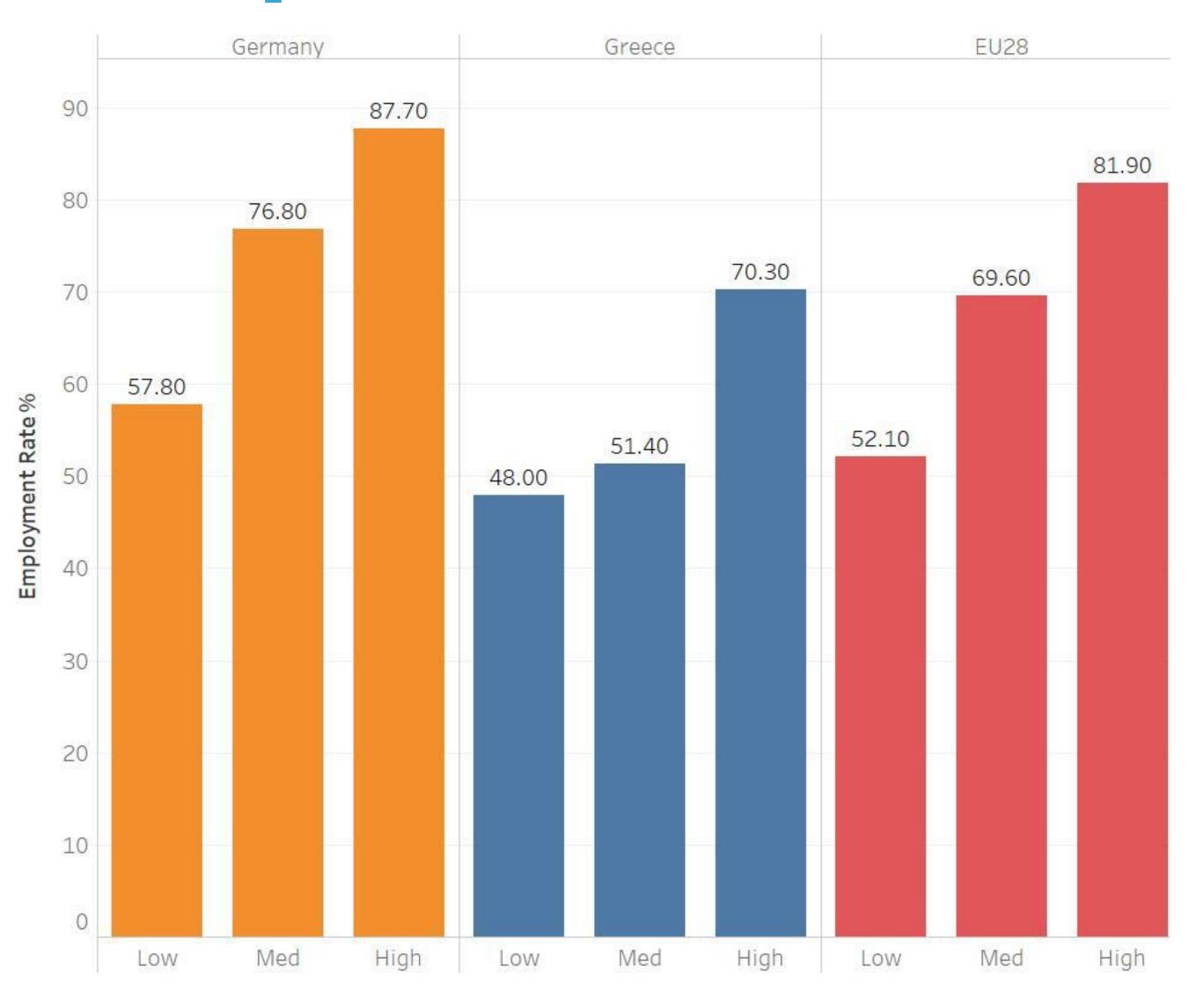


HIGHER GDP 1 LOWER UNEMPLOYMENT



Germany

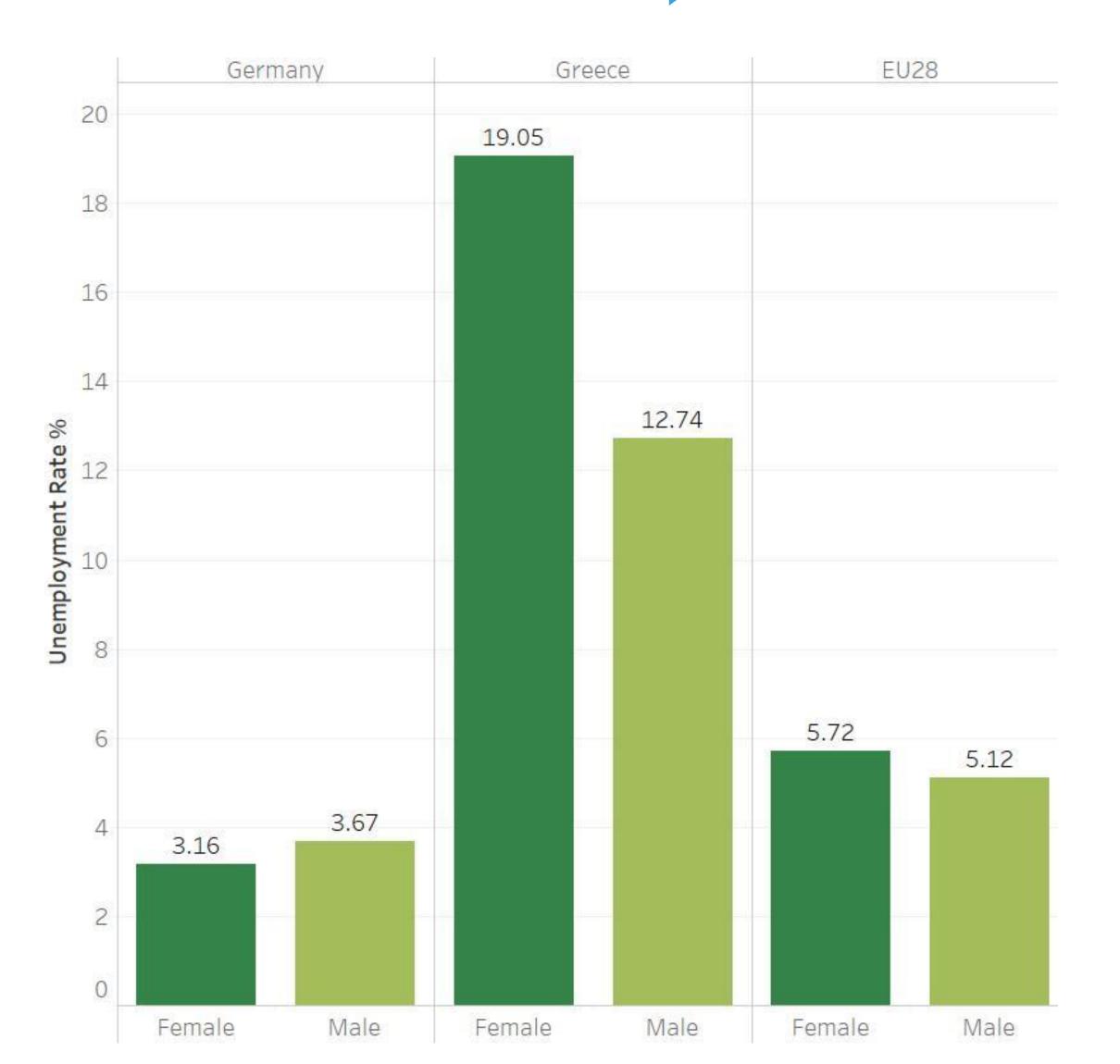
HIGHER EDUCATION LEVEL A HIGHER EMPLOYMENT RATE



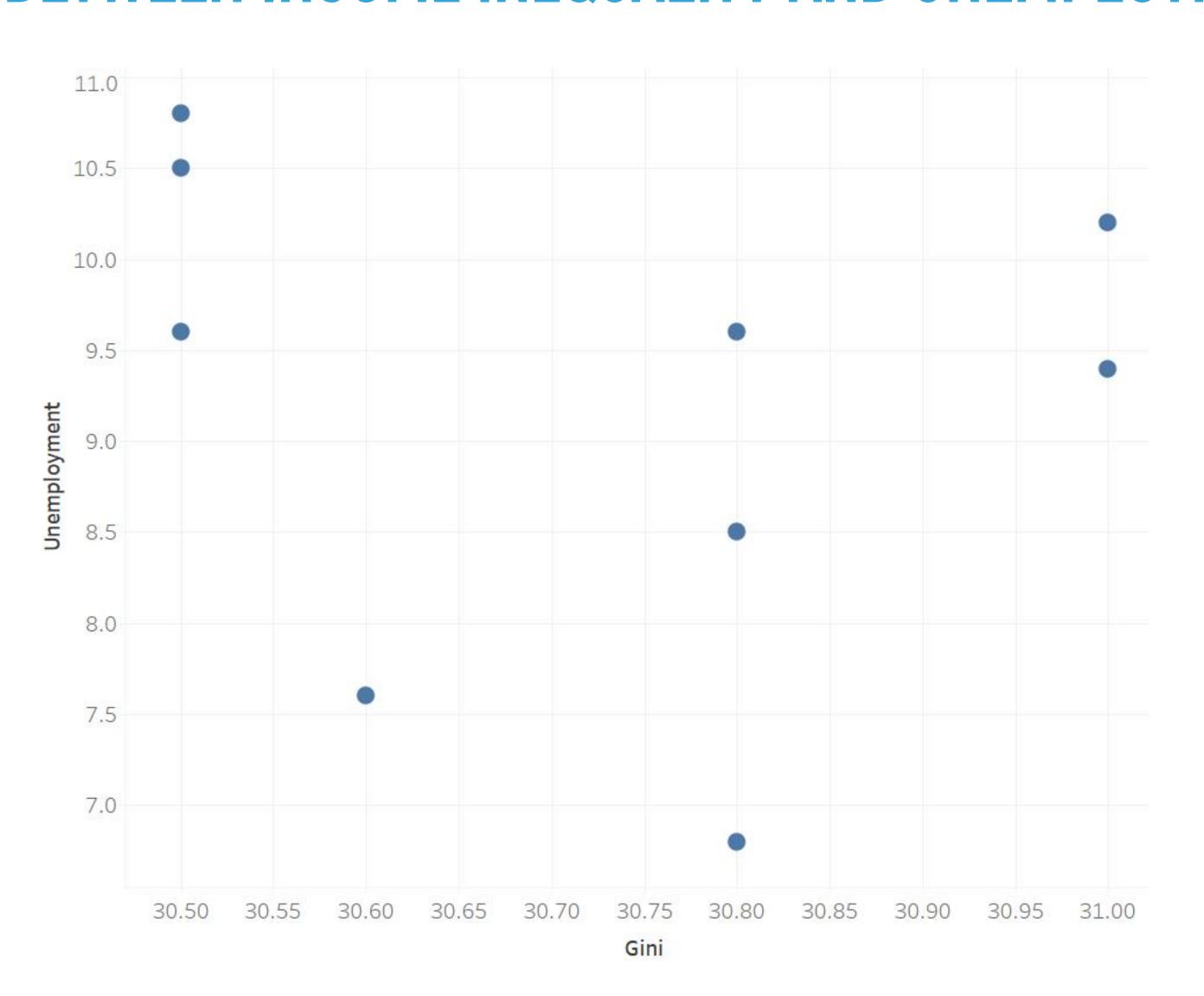


Ddd

HIGHER FEMALE UNEMPLOYMENT FOR GREECE, HIGHER MALE FOR GERMANY



NO CORRELATION BETWEEN INCOME INEQUALITY AND UNEMPLOYMENT



LIMITATIONS



- MAINLY PERCENTAGE DATA
- LIMITED TIME PERIOD OF 2008 2019
- DIFFERENT MEASUREMENTS: ACTIVE POPULATION AND WHOLE POPULATION

NEXT STEPS



- COLLECT MORE GRANULAR DATA (MORE YEARS, MONTHS, DAYS)
- NORMALISE MEASUREMENTS
- INVESTIGATE ADDITIONAL POTENTIAL IMPACT FACTORS

LIFE AS A DATA ANALYST

