What is the relationship of economic output and youth unemployment with mortality from COVID-19?

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# Data sources

* COVID-19 dataset: European Centre for Disease Prevention and Control
* Quarterly Gross Domestic Product (chain linked volumes, seasonally and calendar year adjusted): Eurostat, OECD, National Bureau of Statistics of China, Philippine Statistics Authority
* Monthly Unemployment rate of under 25 year-olds: Eurostat, OECD

# Sample

* Restricted to countries with more than 4.5m inhabitants including Ireland.

# Figures

Figure : Correlation of COVID-19 mortality with GDP growth

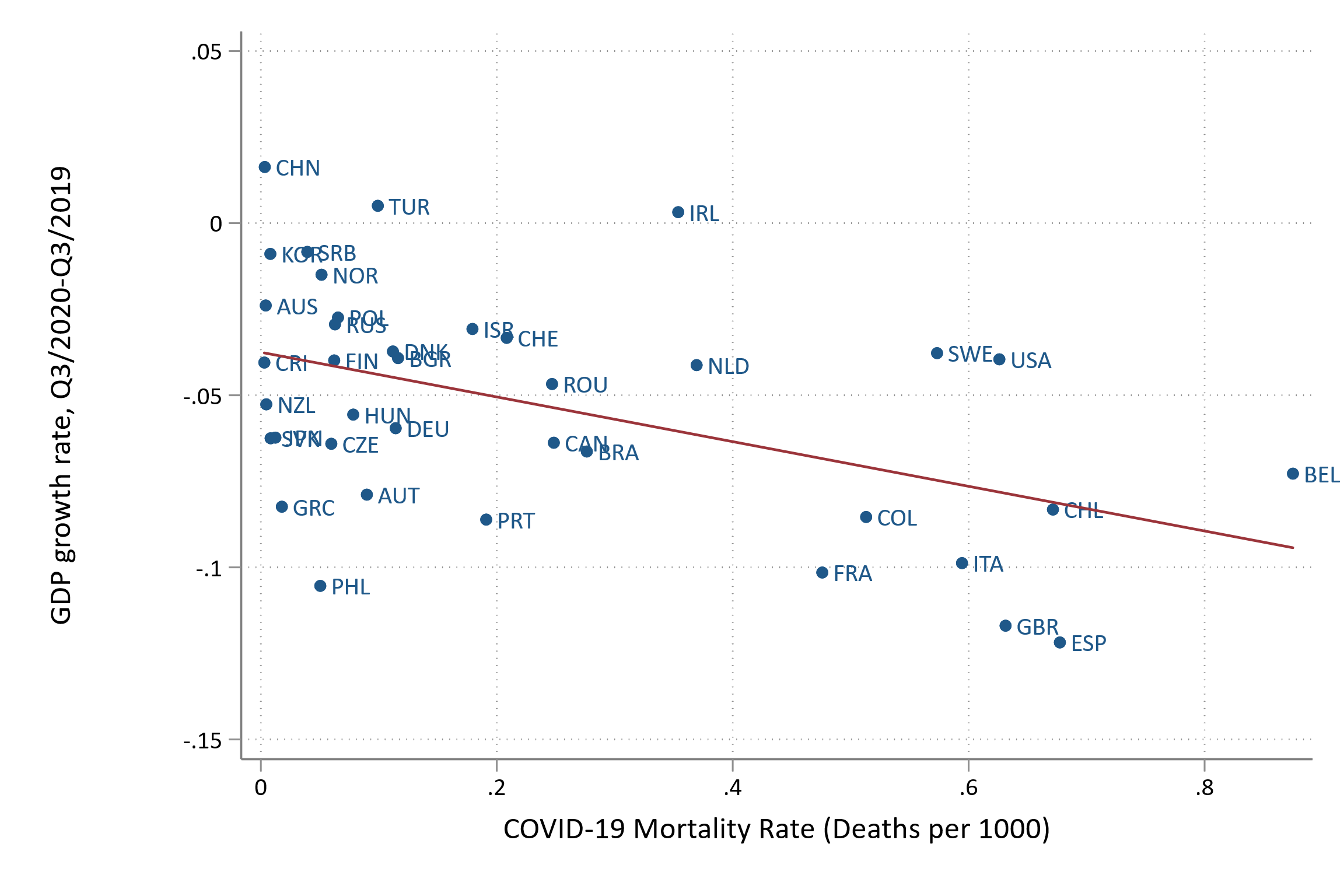


Figure : Correlation of COVID-19 mortality with youth unemployment.

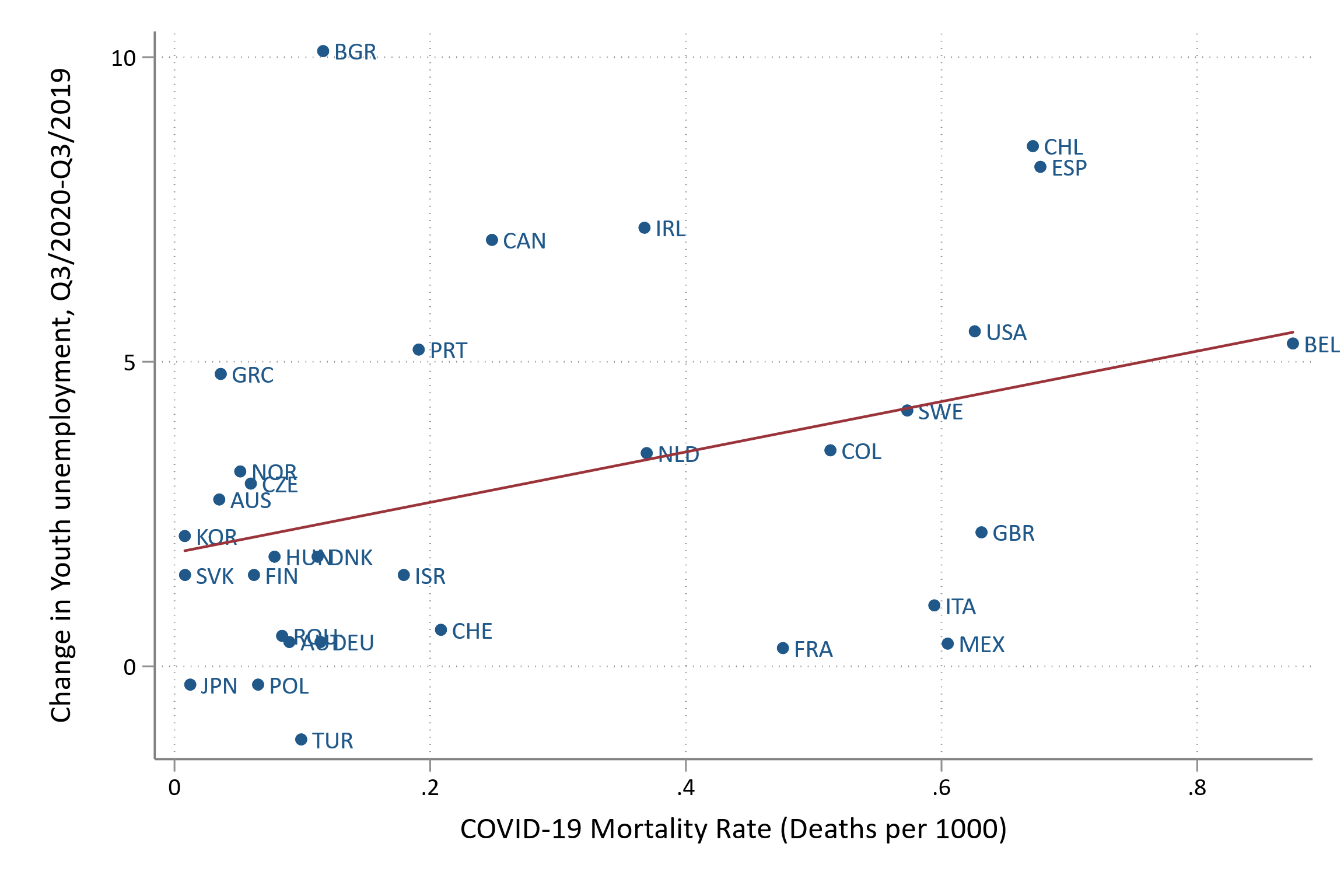


Figure : Correlation of GDP growth with changes in youth unemployment

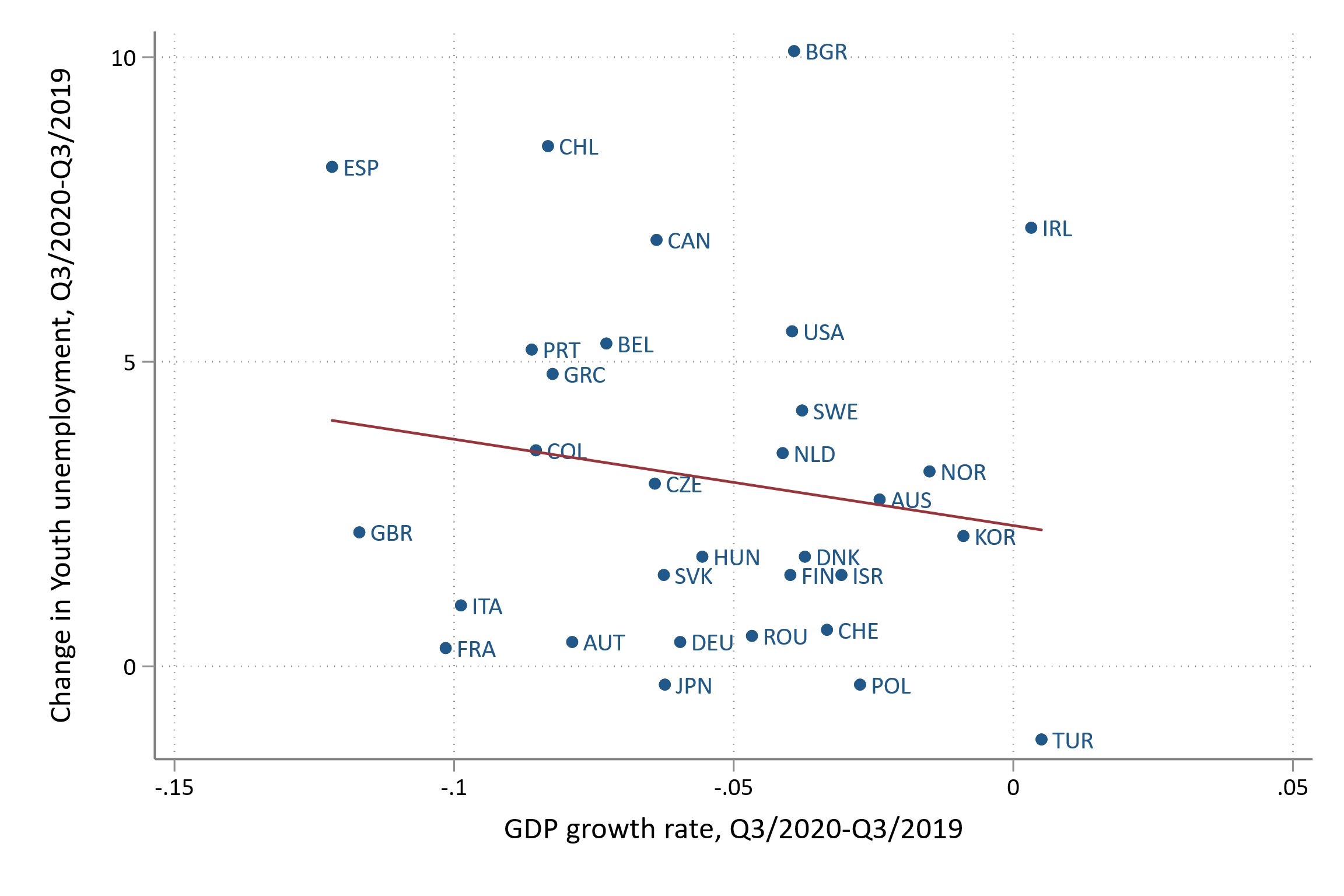


Table : Correlation coefficients between COVID-19 mortality rate, GDP growth rate, Change in Youth unemployment

|  | COVID-19 mortality rate | GDP growth rate | Change in Youth unemployment |
| --- | --- | --- | --- |
| COVID-19 mortality rate | 1 |  |  |
| GDP growth rate | -0.47 | 1 |  |
| Change in Youth unemployment | 0.41 | -0.16 | 1 |