README-file for Reproducing the same Results as the one quoted in the Report Submitted for RIA - Croatia and North Macedonia - Trade Integration Episode

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Table of Contents

[Overview 1](#_Toc166503803)

[Data Availability and Provenance Statements 1](#_Toc166503804)

[Computing environment 1](#_Toc166503805)

[Instructions to replicators 2](#_Toc166503806)

[References 2](#_Toc166503807)

# Overview

The code in this reproduction package allows downloading and preparing gravity data using R. A Master file runs all of the code to obtain the data and then perform descriptive and structural gravity analysis on it.

# Data Availability and Provenance Statements

The data relied on in this paper can be found in the ‘./input’ folder of the repository and is described in the Table below:

| Data File | Source | Provided | Additional information |
| --- | --- | --- | --- |
| ./input/data/… | CITATION | yes | Short Description |

# Computing environment

This code was run on a macOS Sonoma Version 14.2.1 (chip Apple M2 – MacBook pro 2023) computer.

The analysis is conducted in the R programming environment. R is free, open-source and available for download [here](https://www.r-project.org/). The code has been tested against R version R version 4.3.1 (2023-06-16).

Once R is successfully set up on your system, you will need to install a number of external R libraries. I have used renv to snapshot the project’s R environment. To install all of the necessary R libraries, simply open R at the project root (e.g. by clicking on the .Rproj file) and run the following commands:

## Run these commands in R  
  
# install.packages("renv") ## Only necessary if the renv package is not yet installed on your computer  
# renv::init() ## Only necessary if you didn't open the repo as an RStudio project  
renv::restore(confirm = FALSE)

# Instructions to replicators

All code files in this repository are referred to through the package here(). This package finds the root as the place where the ‘.Rproj’ file is located. For this repository, the .Rproj file is located in the root folder, referred to as ‘./’.

The empirical data analysis takes place within the ./input, /code, and ./output directories respectively holding the external files, the code that operates on the files in the ./input directory, and the computational results. The structure of replication package is indicated in the `./code/00\_MASTER.R’ file. Running this Master file will reproduce all the results of this analysis and assign these results to their respective output folders.

Further files and directories refer to:

* The ./renv directory, along with the file ./renv.lock, captures the computational environment (see previous section)
* The repository is dual-licensed (see ./LICENSE.txt). A Modified BSD License applies to all code, scripts, programs, and SOFTWARE while a Creative Commons Attribution 4.0 International Public License, applies to databases, images, tables, text, and any other objects.
* The Readme files ./Readme.md, ./Readme.html, and ./Readme.docx are generated by ./Readme.Rmd.
* The ./bibliography.bib and ./chicago-author-date-withnotes.csl files contain the bibliography in bibtex and the citation-style file.

# References