

## Website Page 2

```
#/echo: FALSE
library(restatapi)
```

```
restatapi: - version 0.23.1
            - config file with the API version 2 loaded from GitHub (the 'current' API version
number is 2).
            - no parallel computing.
            - 'libcurl' method will be used for file download, can be changed with
'options(restatapi_dmethod=...)'
            - the Table of contents (TOC) was not pre-loaded into the default cache
('restatapi_env').
```

```
library(tidyverse)
```

```
— Attaching core tidyverse packages ————— tidyverse 2.0.0 —
```

```
✓ dplyr      1.1.4    ✓ readr      2.1.5
✓ forcats    1.0.0    ✓ stringr    1.5.1
✓ ggplot2    3.5.1    ✓ tibble     3.2.1
✓ lubridate  1.9.3    ✓ tidyr      1.3.1
✓ purrr      1.0.2
```

```
— Conflicts ————— tidyverse_conflicts() —
```

```
✖ dplyr::filter() masks stats::filter()
```

```
✖ dplyr::lag() masks stats::lag()
```

```
! Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become
errors
```

```
library(haven)
library(knitr)
library(RColorBrewer)
```

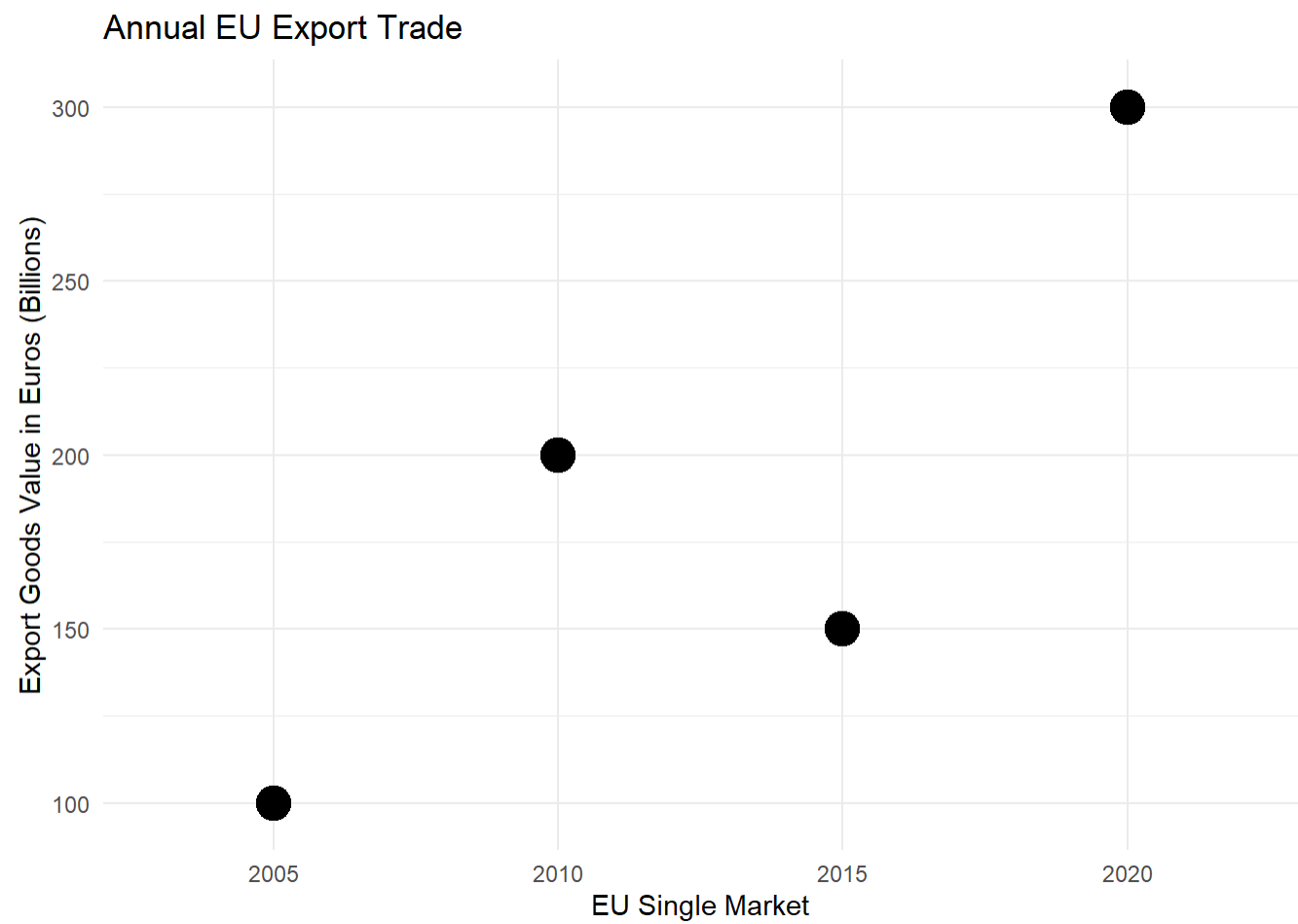
```
DB <- get_eurostat_data("ext_st_eu27_2020sitc")
```

```
#/echo: FALSE
```

```
data <- data.frame(
  partner = c("2005", "2010", "2015", "2020"),
  stk_flow = c(100, 200, 150, 300)
)
```

```
ggplot(data, aes(x = partner, y = stk_flow)) +
  geom_dotplot(binaxis = "y", stackdir = "center", dotsize = 1.5) +
  theme_minimal() +
  labs(title = "Annual EU Export Trade", x = "EU Single Market", y = "Export Goods Value in Eur
```

Bin width defaults to 1/30 of the range of the data. Pick better value with ``binwidth``.



EURO

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## THE EUROPEAN UNION'S TRADE TRAJECTORY FOR EXPORTS AND THE IMPACT FOR CITIZENS

- This visualization is demonstrating the overall export based trade for the EU Single Market and its member states as a common economic zone with its international trade relations.
- I decided to see what the overall development trend has been for the EU Single Market for its export led growth.
- It appears that there is a pattern of steady growth for the demand of EU goods.
- This is a result of an increase in the quantity of international trading partners.
- This is very important to understand how the Single Market is evolving as a macroeconomic system and how that impacts its member states and their populations.

### WHAT DOES THIS VISUALIZATION MEAN AND WHAT CAN BE LEARNED FROM IT?

- This visualization is key to understanding why the EU's Single Market is so critical to the EU's survival as a Supranational polity.
- The member states of the EU are benefited massively from being able to have direct and standardized access to an internal Single Market.
- This cross border economic integration and unity, allows for a far greater degree of lower cost trade for goods and accompanying services.
- The EU Single Market facilitates the best means for member states to collectively prosper.
- This is accomplished by ensuring a robust model which targets export growth.

Data Source: Eurostat

<https://ec.europa.eu/eurostat/data/database>

Image Source: European Central Bank

<https://www.ecb.europa.eu/euro/banknotes/current/denominations/html/index.en.html#es2-200>

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