

ALMA MATER STUDIORUM – UNIVERSITA' DI BOLOGNA

DIPARTIMENTO DI SCIENZE STATISTICHE

“PAOLO FORTUNATI”

Corso di Laurea in Scienze Statistiche

TITOLO

(Materia)

Lucrezia Galli

2025-02-20

```
source("C:/Users/luca galli/OneDrive/Documenti/lucrezia secondo anno/utilizzo banche dati/pa
```

```
ifpack(c("sf", "terra", "spData", "rnaturalearth", "rnaturalearthdata", "tmap", "wbstats", "t
```

```
Package sf is already installed.
```

Loaded package: sf

Package terra is already installed.

Loaded package: terra

Package spData is already installed.

Loaded package: spData

Package rnaturalearth is already installed.

Loaded package: rnaturalearth

Package rnaturalearthdata is already installed.

Loaded package: rnaturalearthdata

Package tmap is already installed.

Loaded package: tmap

Package wbstats is already installed.

Loaded package: wbstats

Package tidyverse is already installed.

Loaded package: tidyverse

Package devtools is already installed.

Loaded package: devtools

Package httr is already installed.

Loaded package: httr

Package Statamarkdown is already installed.

Loaded package: Statamarkdown

Package reticulate is already installed.

Loaded package: reticulate

Package ggplot2 is already installed.

Loaded package: ggplot2

Package dplyr is already installed.

Loaded package: dplyr

Package viridis is already installed.

Loaded package: viridis

Package geometry is already installed.

Loaded package: geometry

Package jsonlite is already installed.

Loaded package: jsonlite

Package WDI is already installed.

Loaded package: WDI

Package worldbank is already installed.

Loaded package: worldbank

Package countrycode is already installed.

Loaded package: countrycode

```
poverty<-wb_search("poverty")
poverty
```

```
# A tibble: 702 x 3
```

	indicator_id <chr>	indicator <chr>	indicator_desc <chr>
1	1.0.HCount.1.90usd	Poverty Headcount (\$1.90 a day)	The poverty hea~
2	1.0.HCount.2.5usd	Poverty Headcount (\$2.50 a day)	The poverty hea~
3	1.0.HCount.Mid10to50	Middle Class (\$10-50 a day) Headcount	The poverty hea~
4	1.0.HCount.Ofcl	Official Moderate Poverty Rate-National	The poverty hea~
5	1.0.HCount.Poor4uds	Poverty Headcount (\$4 a day)	The poverty hea~
6	1.0.HCount.Vul4to10	Vulnerable (\$4-10 a day) Headcount	The poverty hea~
7	1.0.PGap.1.90usd	Poverty Gap (\$1.90 a day)	The poverty gap~
8	1.0.PGap.2.5usd	Poverty Gap (\$2.50 a day)	The poverty gap~
9	1.0.PGap.Poor4uds	Poverty Gap (\$4 a day)	The poverty gap~
10	1.0.PSev.1.90usd	Poverty Severity (\$1.90 a day)	The poverty sev~

```
# i 692 more rows
```

Presentata da:
Nome e Cognome
Matricola:

Relatore:
Prof

APPELLO

ANNO ACCADEMICO ... / ...

1 Introduction

This study is based on statistical analysis methods presented by Smith (smith2020?) and recent developments in data science discussed by Jones and Brown (jones2018?).

2 Machine Learning in Healthcare

Lee and White (lee2019?) highlighted key advancements in AI-driven healthcare, while Williams (williams2021?) examined societal impacts of big data.

3 Online Resources

For a general understanding of statistical learning, see Doe's online guide (doe2023?).

4 Conclusions

5 References