

# 03. Import Dat

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R101

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# Harmonogram

1. Rekapitulace
2. Import flat files (.txt, .csv)
3. Import souborů z MS Excel (.xlsx)
4. Import souborů z IBM SPSS (.sav)

# Rekapitulace

## *Balíčky*

Packages are collections of **R functions**, **data**, and **compiled code** in a well-defined format.

- The directory where packages are stored is called the library.
- **R** comes with a standard set of packages.
- Others are available for download and installation.
  - Once installed, they have to be loaded into the session to be used

# Rekapitulace

## *Balíčky*

- Get library location

```
.libPaths()
```

```
## [1] "C:/Users/vit.gabrhel/Desktop/Software/Instal/R-3.5.3/R/library"
```

- See all packages installed

```
library()
```

- See packages currently loaded

```
search()
```

```
## [1] ".GlobalEnv"           "package:xaringanthemer"  
## [3] "package:stats"       "package:graphics"  
## [5] "package:grDevices"   "package:utils"  
## [7] "package:datasets"    "package:methods"  
## [9] "AutoLoads"           "package:base"
```

# Rekapitulace

## *Balíčky*

- Nainstaluje konkrétní balíček

```
install.packages("psych")
```

- Načte konkrétní balíček

```
library(psych)
```

# Balíčky.

**If statistics programs/languages were cars...**



# Materiály k hodině

## Materiály

- Po stažení:

```
# Open R notebook in the viewer  
myViewer <- getOption("viewer")  
file.copy("03_Import_dat_notebook.html",  
          file.path(tempdir(),  
                    "03_Import_dat_notebook.html"))  
myViewer(file.path(tempdir(), "03_Import_dat_notebook.html"))
```