,

11/25/2020

Contents

Chapter 1

⋮

title: ,   ,
more realistic title:
c1:
c2:
c3:   (,   ,   )
c4:   :
c5:   /   (Rmd)
c6:   (git / GitHub)
c7:   Mac,   R? Docker.
c8:
c9:

Chapter 2

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3: ... ???). ,
(4: :
) (5: / (Rmd)).

, `git`
(6: (git / GitHub))
,
(7: Mac, R? Docker.).

, .

Chapter 3

3.1   : R

,   ,   Python (
: pandas, numpy, matplotlib)   (: dplyr, data.table,
ggplot2).   ,   c#
,   ,   c# e   ,
,   .   ,   Julia Scala
                  Python ili R
c c#.   ,
    .

                R   . R
,   ,   ,
          .   R
R Rstudio
     ,   (Rmarkdown),   (bookdown),   (shiny),
(blogdown), .   e   bookdown,
        ( )   ,   ,
Rstudio.

              R.
         R .
R   .
         R Rstudio (Rmarkdown)
        Jypiter
(VScode).   ,
    ( )   ,   Rstudio
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      .   ,

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3.2   : `git`

,   git (**??**),

,   . , `git`

e   `undo/redo`   ,   ( ),

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git (   ).   , `git`

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.   ,

. `git`

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3.3   : `docker`

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(big data)   .

(,), (,),

(,)

.   docker (**??**). docker

( )   (R   )   (R   )

Rstudio   .

,   R

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3.4

Table 3.1: .

		csv, MySQL
		R, git
		dplyr, ggplot2
		docker

Chapter 4

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4.1 (, ,)

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10 R ( ).

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. , , , Downloads :

```
trosoci <- read_csv("~/Downloads/trosoci-moja-firma.csv")
trosoci_sumirani <- trosoci %>%
  group_by(vraboten, tip_na_trosok) %>%
  summarise_at("cena", "sum")
write_csv(trosoci_sumirani,
          path = "~/Download/trosoci-moja-firma-sumirani.csv")
```

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. Rstudio :

```
trosoci <- read_csv("~/Downloads/trosoci-moja-firma.csv")
trosoci_sumirani <- trosoci %>%
  group_by(vraboten, tip_na_trosok) %>%
  summarise_at("cena", "sum")
write_csv(trosoci_sumirani,
          path = "~/Download/trosoci-moja-firma-sumirani.csv")
```

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?!?“ ? :

1.   `~/Downloads/trosoci-moja-firma.csv`.
                                                              ?   (   )

2.   `~/Downloads/trosoci-moja-firma.csv`.
                                     Linux   Windows   ,
           Downloads   (. `C:\Downloads`)
   `~/Downloads`)?   (   )   (   )

3.   ,   ,   -
   R: `readr` `dplyr`.
           (   ).
                                     ?   (   )   (   ).

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       :

4.   `~/Downloads/trosoci-moja-firma.csv`
                                .   `Downloads`,
       .

5.   ,   `Downloads`   /
                                .   ,
                                .

6.   ,   `summarise_at`
                                            .   ,   R   `dplyr`,
   `summarise_at`   .
   `dplyr`,   `summarise_at`   ,
        `dplyr`,   `summarise_at`
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4.2   -

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- te . C:/Data
  C:/Analizi

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- (#) README ,
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- randomness
  (set.seed R).
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Chapter 5

Applications

Some *significant* applications are demonstrated in this chapter.

5.1   Example one

5.2   Example two

Chapter 6

Final Words

We have finished a nice book.