

Dados CEPEA

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Os dados são de periodicidade diária e são disponibilizados pela CEPEA/EXALQ e se referem ao período de a 23/01/2017.

```
library(dplyr)
acucar <- read.table("acucar.txt", sep = "\t", dec = ",", header = TRUE, encoding = "ANSI")
Rdate <- strptime(as.character(acucar$Data), "%d/%m/%Y")
acucar <- data.frame(Rdate, acucar) %>% mutate(Rdate = as.Date(Rdate)) %>% as.data.frame()

soja <- read.table("soja.txt", sep = "\t", dec = ",", header = TRUE, encoding = "ANSI")
Rdate <- strptime(as.character(soja$Data), "%d/%m/%Y")
soja <- data.frame(Rdate, soja) %>% mutate(Rdate = as.Date(Rdate)) %>% as.data.frame()

etanol <- read.table("etanol.txt", sep = "\t", dec = ",", header = TRUE, encoding = "ANSI")
Rdate <- strptime(as.character(etanol$Data), "%d/%m/%Y")
etanol <- data.frame(Rdate, etanol) %>% mutate(Rdate = as.Date(Rdate)) %>% as.data.frame()

dados_cepea <- merge(soja, etanol, by.x = "Rdate", by.y = "Rdate") %>% merge(acucar, by.x = "Rdate", by
save(dados_cepea, file = "dados_cepea.rda")
head(dados_cepea)
```

```
##           Rdate acucar_BR acucar_US  etanol_BR etanol_US soja_BR soja_US
## 1 2010-01-25      38.46      21.12 1.254,5000 688,9100    72.21    39.65
## 2 2010-01-26      37.64      20.50 1.244,5000 677,8300    72.19    39.32
## 3 2010-01-27      37.94      20.41 1.231,5000 662,4500    71.99    38.72
## 4 2010-01-28      37.36      20.01 1.222,0000 654,5300    72.01    38.57
## 5 2010-01-29      36.90      19.57 1.227,5000 651,1900    72.28    38.34
## 6 2010-02-01      36.36      19.56 1.221,5000 657,0700    72.14    38.80
```

```
summary(dados_cepea)
```

```
##           Rdate          acucar_BR          acucar_US          etanol_BR
## Min.   :2010-01-25   Min.   :32.97   Min.   :18.03   1.105,0000: 10
## 1st Qu.:2011-10-20   1st Qu.:48.25   1st Qu.:22.02   1.134,5000: 7
## Median :2013-07-24   Median :63.17   Median :26.92   1.138,5000: 7
## Mean   :2013-07-23   Mean   :61.47   Mean   :26.43   1.208,0000: 7
## 3rd Qu.:2015-04-23   3rd Qu.:73.06   3rd Qu.:29.81   1.026,0000: 6
## Max.   :2017-01-20   Max.   :93.18   Max.   :42.34   1.103,0000: 6
##                                     (Other)   :1691
##           etanol_US          soja_BR          soja_US
## 499,7700: 4   Min.   : 39.99   Min.   :12.57
## 500,0000: 3   1st Qu.: 49.15   1st Qu.:20.60
## -       : 2   Median : 53.88   Median :23.62
## 363,9400: 2   Mean   : 59.95   Mean   :26.49
## 371,1100: 2   3rd Qu.: 71.34   3rd Qu.:32.05
## 376,7900: 2   Max.   :100.92   Max.   :46.31
## (Other) :1719   NA's   :8       NA's   :8
```

```
str(dados_cepea)
```

```
## 'data.frame': 1734 obs. of 7 variables:
```

```

## $ Rdate      : Date, format: "2010-01-25" "2010-01-26" ...
## $ acucar_BR: num  38.5 37.6 37.9 37.4 36.9 ...
## $ acucar_US: num  21.1 20.5 20.4 20 19.6 ...
## $ etanol_BR: Factor w/ 948 levels "1.010,0000","1.013,0000",...: 410 397 379 362 372 361 348 333 323
## $ etanol_US: Factor w/ 1687 levels "-","1.005,7300",...: 1453 1420 1375 1347 1336 1353 1382 1349 131
## $ soja_BR   : num  72.2 72.2 72 72 72.3 ...
## $ soja_US   : num  39.6 39.3 38.7 38.6 38.3 ...

```