# **PWO**

### Adam Stuller

## PWO - Past weather observation

Jedna sa o kategorickú zakódovanú informáciu o pozorovanom pocasí. Z dookumentacie su hodnoty nasledovne:

Domain Value ID: Domain Value Definition Text

- 0 = Cloud covering 1/2 or less of the sky throughout the appropriate period
- 1 =Cloud covering more than ½ of the sky during part of the appropriate period and covering ½ or less during part of the period
- 2 = Cloud covering more than 1/2 of the sky throughout the appropriate period
- 3 = Sandstorm, duststorm or blowing snow
- 4 = Fog or ice fog or thick haze
- 5 = Drizzle
- 6 = Rain
- 7 = Snow, or rain and snow mixed
- 8 = Shower(s)
- 9 = Thunderstorm(s) with or without precipitation

#### Centralna poloha dat

Vidno, že najčastejšiou formou počasia na slovensku je typ 2, teda zamračené s viac ako polovicou oblohy zakrytou oblakmi.

Relativne pocetnost jednotlivych tried:

```
0 - 0.1720426528 %
1 - 0.1068872541 %
2 - 0.2627742086 %
3 - 0.0002995906 %
4 - 0.1205130766 %
5 - 0.0141029482 %
6 - 0.1845144969 %
7 - 0.0661762258 %
8 - 0.0390577322 %
9 - 0.0336318143 %
```

```
all_data <- read.csv(file= "../data/all.csv")
unique(all_data$PWO)</pre>
```

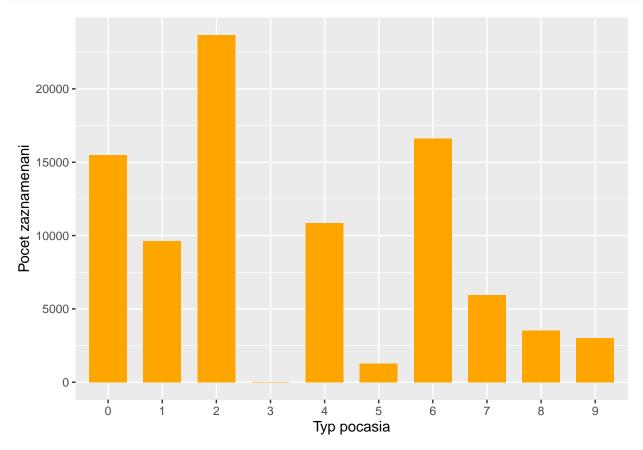
```
## [1] NA 2 7 6 1 8 0 4 9 5 3
```

## Modus: [1] 2

#### **Barplot**

```
df <- all_data %>%
  dplyr::mutate(
    PWO = map_chr(.$PWO, as.character)
) %>%
  dplyr::filter(!is.na(PWO))

ggplot(df, aes(x = PWO)) +
  geom_bar(fill = "orange", width = 0.7) +
  xlab("Typ pocasia") +
  ylab("Pocet zaznamenani")
```



 ${
m Jedna}$  sa o kategoricku veličinu, s veľkým množstvom NA hodnot. NA sa tam objavujú iba preto, že sa tato veličina merala v konkretnych intervaloch a medzi nimi nie.