

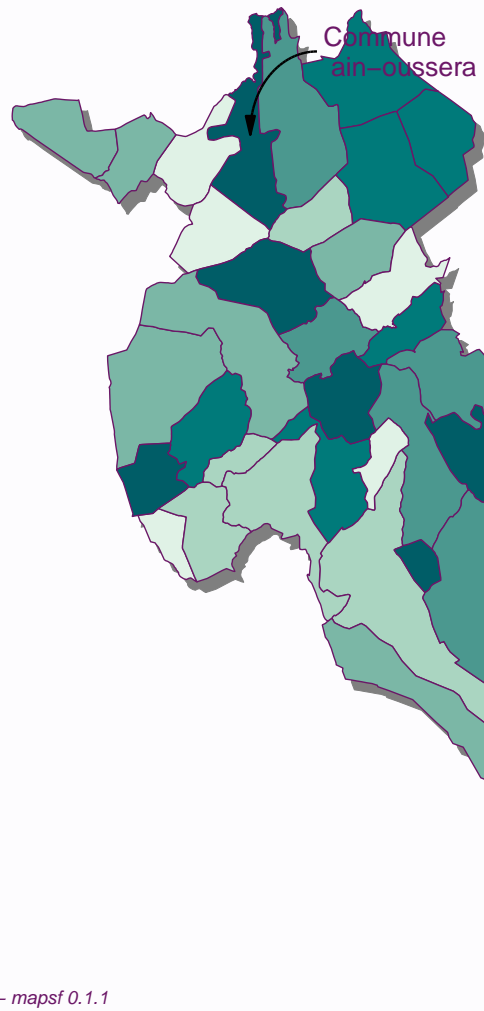
mapsf

```
#https://riatelab.github.io/mapsf/articles/mapsf.html#examples-of-thematic-maps
library(sf)
library(mapsf)# mapsf uses sf objects to produce base graphics

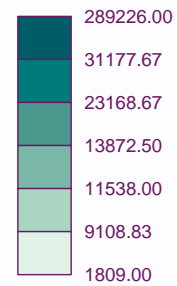
djelfa <- read_sf("../shp/djelfa.shp")

mf_theme("candy") # select a theme
mf_shadow(djelfa) # display the shadow of a polygon layer
mf_map(djelfa,type="choro",var="POP",add = TRUE) # display polygons
mf_arrow() # display north arrow
mf_scale(size = 5) # display scale bar
mf_credits(txt = "R. TIBA, 2022 - mapsf 0.1.1 \n ") # display credits
mf_title("Wilaya de djelfa") # display title
mf_annotation(djelfa[5, ],txt = "Commune \n ain-oussera")# display an annotation
```

Wilaya de djelfa



POP



R. TIBA, 2022 – mapsf 0.1.1

```
# import the sample data set
mtq <- djelfa
# Initiate a base map
mf_init(x = mtq, theme = "green")
# Plot a shadow
mf_shadow(mtq, add = TRUE)
# plot municipalities
mf_map(mtq, add = TRUE)
# plot population
mf_map(
  x = mtq,
  var = "POP",
  type = "prop",
  inches = 0.25,
  col = "brown4",
  leg_pos = "bottomleft2",
  leg_title = "Total population"
```

```
)
# layout
mf_layout(title = "Population Distribution in Djelfa Algeria",
          credits = paste0("Sources: R. TIBA,DSP Djelfa, 2022\n","mapsf ", packageVersion("mapsf"))))
```

