

Lab 9: APIs

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2025-11-05

Lab report

Exercises

```
library(tidycensus)
va_pop_2010 <- get_decennial(
  geography = "county",
  state = "VA",
  variables = c("P001001"),
  year = 2010,
  show_call = TRUE,
  geometry = TRUE
)
```

Exercise 1

```
## Getting data from the 2010 decennial Census

## Warning: * You have not set a Census API key. Users without a key are limited to 500
## queries per day and may experience performance limitations.
## i For best results, get a Census API key at
## http://api.census.gov/data/key_signup.html and then supply the key to the
## 'census_api_key()' function to use it throughout your tidycensus session.
## This warning is displayed once per session.

## Census API call: https://api.census.gov/data/2010/dec/sf1?get=P001001%2CNAME&for=county%3A%
```

Using Census Summary File 1

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Exercise 2

Exercise 3

Exercise 4

Exercise 5

Exercise 6

Exercise 7