

CHAPTER OVERVIEW

13: Sampling in R

First we load the necessary libraries and set up the NHANES adult dataset

```
library(tidyverse)
library(ggplot2)
library(knitr)
library(cowplot)

set.seed(123456)
opts_chunk$set(tidy.opts=list(width.cutoff=80))
options(tibble.width = 60)

# load the NHANES data library
library(NHANES)

# create a NHANES dataset without duplicated IDs
NHANES <-
  NHANES %>%
  distinct(ID, .keep_all = TRUE)

#create a dataset of only adults
NHANES_adult <-
  NHANES %>%
  filter(
    Age >= 18
  ) %>%
  drop_na(Height)
```

[13.1: Sampling Error \(Section @ref{samplingerror}\)](#)

[13.2: Central Limit Theorem](#)

[13.3: Confidence Intervals \(Section @ref{confidence-intervals}\)](#)

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