

# Package: cherryblossom (via r-universe)

October 13, 2024

**Title** Cherry Blossom Run Race Results

**Version** 0.1.0.9000

**Description** Race results of the Cherry Blossom Run, which is an annual road race that takes place in Washington, DC.

**License** GPL-3

**Suggests** ggplot2, testthat

**Imports** tibble

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.1.1

**URL** <https://github.com/OpenIntroStat/cherryblossom>,  
<https://openintrostat.github.io/cherryblossom/>

**BugReports** <https://github.com/OpenIntroStat/cherryblossom/issues>

**Depends** R (>= 2.10)

**Repository** <https://openintrostat.r-universe.dev>

**RemoteUrl** <https://github.com/openintrostat/cherryblossom>

**RemoteRef** HEAD

**RemoteSha** 0ab89ca4bf283c22febc1ab86a7193957779f0a3

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run09

*Cherry Blossom Run data, 2009*

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## Description

Details for all 14,974 runners in the 2009 Cherry Blossom Run, which is an annual road race that takes place in Washington, DC.

## Usage

run09

## Format

A data frame with 14,974 observations on the following 14 variables.

**place** Finishing position. Separate positions are provided for each gender.

**time** The total run time.

**net\_time** The run time from the start line to the finish line.

**pace** Average time per mile, in minutes.

**age** Age.

**gender** Gender.

**first** First name.

**last** Last name.

**city** Hometown city.

**state** Hometown state.

**country** Hometown country.

**div** Running division (age group).

**div\_place** Division place, also broken up by gender.

**div\_tot** Total number of people in the division (again, also split by gender).

## Source

[Cherry Blossom Race Results](#)

## Examples

```
library(ggplot2)

# Finishing times by gender
ggplot(run09, aes(x = time, y = gender)) +
  geom_boxplot() +
  labs(
    title = "Finishing times for 2009 Cherry Blossom Run, by gender",
```

```
x = "Time to complete the race, in minutes",
y = "Gender"
)

# Pacing times by gender
ggplot(run09, aes(x = pace, y = gender)) +
  geom_boxplot() +
  labs(
    title = "Pacing for 2009 Cherry Blossom Run, by gender",
    x = "Average time per mile, in minutes",
    y = "Gender"
  )
```

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run12

*Cherry Blossom Run data, 2012*

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## Description

Details for all 16,924 runners in the 2012 Cherry Blossom Run, which is an annual road race that takes place in Washington, DC.

## Usage

```
run12
```

## Format

A data frame with 16,924 observations on the following 9 variables.

**place** Finishing position. Separate positions are provided for each gender.

**time** The total run time, in minutes.

**pace** Average time per mile, in minutes.

**age** Age.

**gender** Gender.

**location** Hometown city.

**state** Hometown state (if from the US) or country.

**div\_place** Division place, also broken up by gender.

**div\_tot** Total number of people in the division (again, also split by gender).

## Source

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**Examples**

```

library(ggplot2)

# Finishing times
ggplot(run12, aes(x = time)) +
  geom_histogram(binwidth = 5) +
  labs(
    title = "Finishing times for 2012 Cherry Blossom Run,",
    x = "Time to complete the race, in minutes",
    y = "Frequency"
  )

# Pacing
ggplot(run12, aes(x = pace)) +
  geom_histogram(binwidth = 0.5) +
  labs(
    title = "Pacing for 2012 Cherry Blossom Run",
    x = "Average time per mile, in minutes",
    y = "Frequency"
  )

```

run17

*Cherry Blossom Run data, 2017***Description**

Details for all 19,961 runners in the 2017 Cherry Blossom Run, which is an annual road race that takes place in Washington, DC. Most runners participate in a 10-mile run while a smaller fraction take part in a 5k run or walk.

**Usage**

run17

**Format**

A data frame with 19,961 observations on the following 9 variables.

**bib** Number on the runner's bib.

**name** Name of the runner, with only the initial of their last name.

**sex** Gender of the runner.

**age** Age of the runner.

**city** Home city of the runner.

**net\_sec** Time to complete the race, after accounting for the staggered starting time, in seconds.

**clock\_sec** Time to complete the race, ignoring the staggered starting time, in seconds.

**pace\_sec** Average time per mile, in seconds.

**event** The event the racer participated in, either the "10 Mile" race or the "5K".

## Details

There was a time limit where all 10 Mile racers had to finish by. Can you figure out what that time is?

## Source

[Cherry Blossom Race Results](#)

## Examples

```
library(ggplot2)

# Finishing times
ggplot(run17, aes(x = net_sec)) +
  geom_histogram(binwidth = 300) +
  facet_wrap(~event, nrow = 2) +
  labs(
    title = "Finishing times for 2017 Cherry Blossom Run, by event",
    subtitle = "After accounting for the staggered starting time",
    x = "Time to complete the race, in seconds",
    y = "Frequency"
  )

# Pacing
ggplot(run17, aes(x = pace_sec)) +
  geom_histogram(binwidth = 100) +
  facet_wrap(~event, nrow = 2, scales = "free_y") +
  labs(
    title = "Pacing for 2017 Cherry Blossom Run, by event",
    x = "Average time per mile, in seconds",
    y = "Frequency"
  )
```

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