

 R 4.4.2

Positron Assistant

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› Insert Code Cell



cost_reports_analysis.qmd > (code cell)

```

12 hospital_costs <- clean_names(hospital_costs)
13 ```
14
15 ```{r}
16 # compute the mean of inpatient revenue and medicaid charges
17 hospital_costs |>
18   summarize(mean_inpatient_revenue = mean(inpatient_revenue),
19             mean_medicaid_charges = mean(medicaid_charges))
20
21 # create a scatterplot of inpatient revenue vs medicaid charges
22 hospital_costs |>
23   ggplot(aes(x = inpatient_revenue / 1000000, y =
24             medicaid_charges / 1000000)) +
25   geom_point() +
26   scale_x_continuous(labels = scales::comma_format()) +
27   scale_y_continuous(labels = scales::comma_format()) +
28   labs(title = "Inpatient Revenue vs Medicaid Charges",
29        x = "Inpatient Revenue (Millions)",
30        y = "Medicaid Charges (Millions)")
31 ```

```

ons)

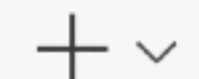
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and `col = "steelblue"` for color

- Included `grid()` for better readability
- Handled missing values by filtering the data before plotting

The base R version achieves the same results without any tidyverse dependencies.



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6

▷ Run Cell | Run Next Cell

7

```{r}

library(tidyverse)

library(janitor)

hospital\_costs <- read\_csv("data/CostReport\_2021\_Final.csv")

hospital\_costs <- clean\_names(hospital\_costs)

8

# Read data using base R

9

hospital\_costs <- read.csv("data/CostReport\_2021\_Final.csv")

10

11

# Convert column names to snake\_case (base R equivalent of janitor::clean\_names)

12

names(hospital\_costs) <- tolower(gsub("[^A-Za-z0-9]", "\_", names(hospital\_costs)))

13

names(hospital\_costs) <- gsub("\_+", "\_", names(hospital\_costs))

14

names(hospital\_costs) <- gsub("^\_|\_\$", "", names(hospital\_costs))

15

```

16

Keep

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