

SHETH L.U.J AND SIR M.V COLLEGE

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Console Terminal Background Jobs

```

> co.names(pcos)
[1] "Sl...No"          "Patient.file.No."   "PCOS..Y.N."
[4] "Age..yrs."       "Weight..Kg."        "Height.Cm."
[7] "BMI"             "Blood.Group"      "Pulse.rate.bpm."
[10] "RR..breaths.min." "Hb.g.dl."        "Cycle.R.I."
[13] "Cycle.length.days." "Marriage.Status..Yrs." "Pregnant.Y.N."
[16] "No.of.abortions" "I..beta.HCG.mIU.ml." "II...beta.HCG.mIU.ml."
[19] "FSH.mIU.ml."     "LH.mIU.ml."       "FSH.LH"
[22] "Hip.inch."       "Waist.inch."      "Waist.Hip.Ratio"
[25] "TSH.mIU.LL."     "AMH.ng.ml."       "PRL.ng.ml."
[28] "Vit.D3.ng.ml."   "RBC.ng.ml."       "RBS.ng.ml."
[31] "Weight.gain.Y.N." "hair.growth.Y.N." "Skin.darkening..Y.N."
[34] "Hair.loss.Y.N."   "Pimples.Y.N."    "Fast.food..Y.N."
[37] "Reg.Exercise.Y.N." "BP..Systolic.mmHg." "BP..Diastolic.mmHg."
[40] "Follicle.No..R."  "Follicle.No..L."  "Avg.F.size.L...mm."
[43] "Avg..F.size.R...mm." "Endometrium.mm." "X"
> library(dplyr)
>
> pcos <- read.csv("C:/Users/yukta/R_Prog_S120/PCOS_data.csv")
>
> head(pcos)
#> #> No Patient.File.No. PCOS..Y.N. Age..yrs. Weight..Kg. Height.Cm. BMI Blood.Group
#> 1 1 0 28 44.6 152.0 19.3 15
#> 2 2 0 36 65.0 161.5 24.9 15
#> 3 3 1 33 68.8 165.0 25.3 11
#> 4 4 0 37 65.0 148.0 29.7 13
#> 5 5 0 25 52.0 161.0 20.1 11
#> 6 6 0 36 74.1 165.0 27.2 15
#> Pulse.rate.bpm. RR..breaths.min. Hb.g.dl. Cycle.R.I. Cycle.length.days. Marriage.Status..Yrs.
#> 1 78 22 10.48 2 5 7
#> 2 74 20 11.70 2 5 11
#> 3 72 18 11.60 2 5 10
#> 4 72 20 12.00 2 5 4
#> 5 72 18 10.00 2 5 1
#> 6 78 28 11.20 2 5 8
#> Pregnant.Y.N. No..of.abortions I..beta.HCG.mIU.ml. II...beta.HCG.mIU.ml. FSH.mIU.ml.
#> 1 0 0 1.99 1.99 7.95
#> 2 1 0 60.80 1.99 6.73
#> 3 1 0 494.08 494.08 5.54
#> 4 0 0 1.99 1.99 8.06
#> 5 1 0 80.45 801.45 3.98
#> 6 1 0 237.97 1.99 3.24
#> LH.mIU.ml. FSH.LH Hip.inch. Waist.inch. Waist.Hip.Ratio TSH..mIU.L AMH.ng.ml. PRL.ng.ml.
#> 1 3.68 2.16 36 30 0.83 0.68 2.07 45.16
#> 2 1.09 6.17 38 32 0.84 3.16 1.53 20.09
#> 3 0.88 6.30 40 36 0.90 2.54 6.63 10.52
#> 4 2.36 3.42 42 36 0.86 16.41 1.22 36.90
#> 5 0.90 4.42 37 30 0.81 3.57 2.26 30.09
#> 6 1.07 3.03 44 38 0.86 1.60 6.74 16.18
#> Vit.D3.ng.ml. PRG.ng.ml. RBS.ng.ml. weight.gain.Y.N. hair.growth.Y.N. Skin.darkening..Y.N.
#> 1 17.1 0.57 92 0 0 0
#> 2 61.3 0.97 92 0 0 0
#> 3 49.7 0.36 84 0 0 0
#> 4 33.4 0.76 76 0 0 0
#> 5 43.8 0.38 84 0 0 0
#> 6 52.4 0.30 76 1 0 0
#> Hair.loss.Y.N. Pimples.Y.N. Fast.food..Y.N. Reg.Exercise.Y.N. BP..Systolic.mmHg.
#> 1 0 0 1 0 110
#> 2 0 0 0 0 120
#> 3 1 1 1 0 120
#> 4 0 0 0 0 120
#> 5 1 0 0 0 120
#> 6 1 0 0 0 110

```

Environment History Connections Tutorial

R Project: (None)

File Plots Packages Help Viewer Presentation

C:\Users\yukta\R_Prog_S120

Size Modified

animal.xlsx 9.6 MB Nov 24, 2025, 12:11 PM

creditcard.csv 143.8 MB Nov 24, 2025, 11:39 AM

creditcard.xlsx 118.1 MB Nov 24, 2025, 11:46 AM

p1_S120.R 412 B Nov 24, 2025, 12:21 PM

p1.R 62 B Nov 24, 2025, 11:52 AM

P2_S120.R 486 B Nov 24, 2025, 12:40 PM

P3_S120.R 1.2 KB Nov 24, 2025, 10:49 PM

PCOS_data.csv 80 KB Nov 24, 2025, 10:51 PM

R-4.5-2-win.exe 86.1 MB Nov 24, 2025, 11:11 AM

RStudio-2025.09.2-418.exe 283 MB Nov 24, 2025, 11:17 AM

StudentsPerformance (1).csv 55.7 KB Nov 24, 2025, 12:35 PM

StudentsPerformance (1).xlsx 46.2 KB Nov 24, 2025, 12:35 PM

supermarket_sales.csv 129.2 KB Nov 24, 2025, 12:55 PM

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#> 6 52.4 0.30 76 1 0 0
#> Hair.loss.Y.N. Pimples.Y.N. Fast.food..Y.N. Reg.Exercise.Y.N. BP..Systolic.mmHg.
#> 1 0 0 1 0 110
#> 2 0 0 0 0 120
#> 3 1 1 1 0 120
#> 4 0 0 0 0 120
#> 5 1 0 0 0 120
#> 6 1 0 0 0 110

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File Plots Packages Help Viewer Presentation

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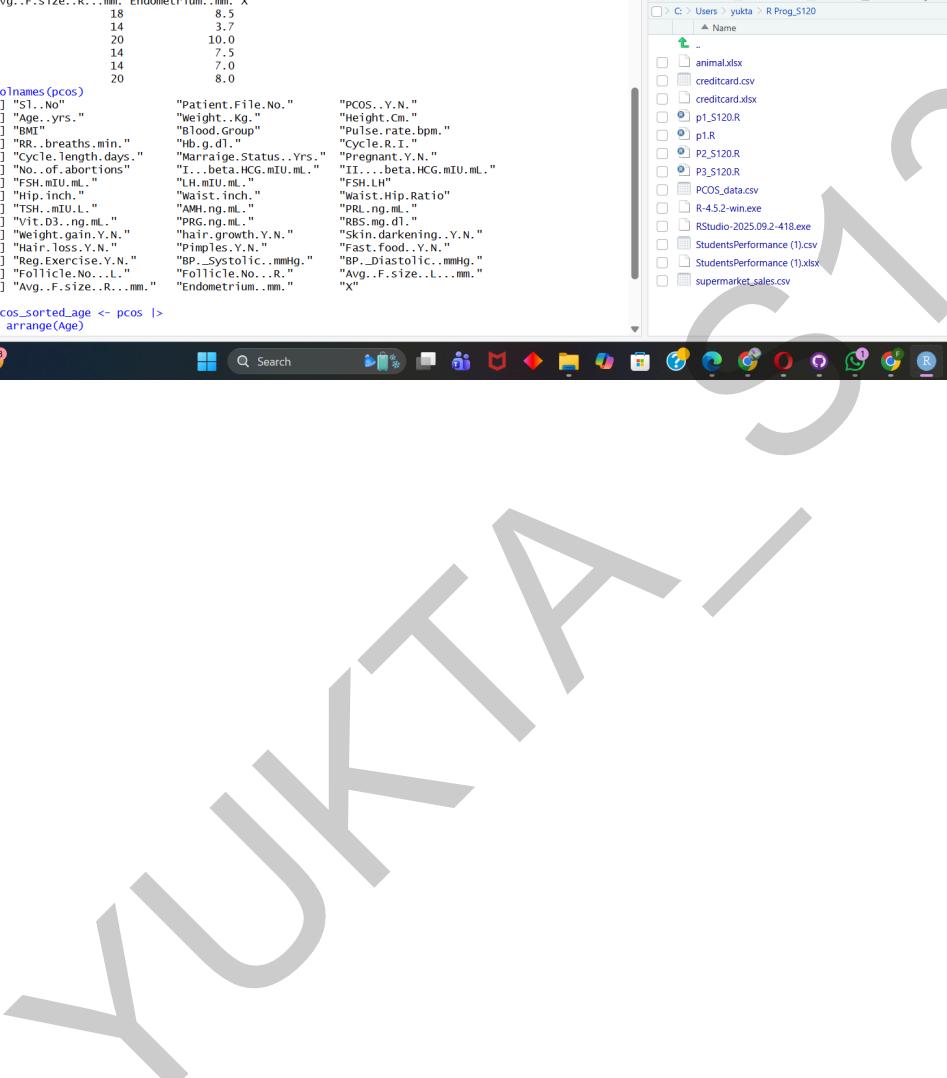
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The screenshot shows the RStudio interface with the following details:

- File Edit Code View Plots Session Build Debug Profile Tools Help**
- Addins** dropdown menu
- Source** tab selected
- Console** tab: R code and output showing data manipulation and loading of the PCOS dataset.
- Terminal** tab: Not visible in the screenshot.
- Background Jobs** tab: Not visible in the screenshot.
- Environment** tab: Shows the global environment with various objects and their descriptions.
- History** tab: Shows the history of R commands run.
- Connections** tab: Shows available connections.
- Tutorial** tab: Shows available tutorials.
- Imports** section: Shows imported datasets like `animal.xlsx`, `creditcard.csv`, `creditcard.xlsx`, `p1_S120.R`, `p1.R`, `P2_S120.R`, `P3_S120.R`, `PCOS_data.csv`, `R-4.5.2-win.exe`, `RStudio-2025.09.2-418.exe`, `StudentsPerformance (1).csv`, `StudentsPerformance (1).xlsx`, and `supermarket_sales.csv`.
- Project**: Project (None)
- Files** tab: Shows files in the current directory, including `animal.xlsx`, `creditcard.csv`, `creditcard.xlsx`, `p1_S120.R`, `p1.R`, `P2_S120.R`, `P3_S120.R`, `PCOS_data.csv`, `R-4.5.2-win.exe`, `RStudio-2025.09.2-418.exe`, `StudentsPerformance (1).csv`, `StudentsPerformance (1).xlsx`, and `supermarket_sales.csv`.
- Plots**, **Packages**, **Help**, **Viewer**, **Presentation** tabs: Standard RStudio navigation tabs.
- Task View** tab: Not visible in the screenshot.
- File Explorer** sidebar: Shows the file structure of the current project.
- File** menu: Options like New Folder, New File, Delete, Rename, More.
- Size** and **Modified** columns in the file list.
- System Tray**: Shows icons for battery, signal, and date/time (24-Nov-2025, 23:03).