

Homework 1

Due: 1/29

Total 20 Points

Problem 1. Install Weka (10 points)

Complete WEKA installation using the installation instruction in Appendix A of this assignment. Run the WEKA Explorer, open the *iris.arff* dataset (located in WEKA installations data folder). Provide a snapshot of the resulting screen in your submission.

Problem 2. Install JMP Pro (10 points)

Complete JMP installation using the installation instruction in Appendix B of this assignment. Follow the instruction and capture the last screen in the appendix and include it in your submission file.

Submission:

Submit the solutions in a single Word or PDF document and upload it to course assignments section. Please make sure that there are no spaces in the file name. Use *lastName_firstName_HW1.doc* or *lastName_firstName_HW1.pdf* as the file name.

WeChat: cstutorcs

Appendix A: Weka Installation

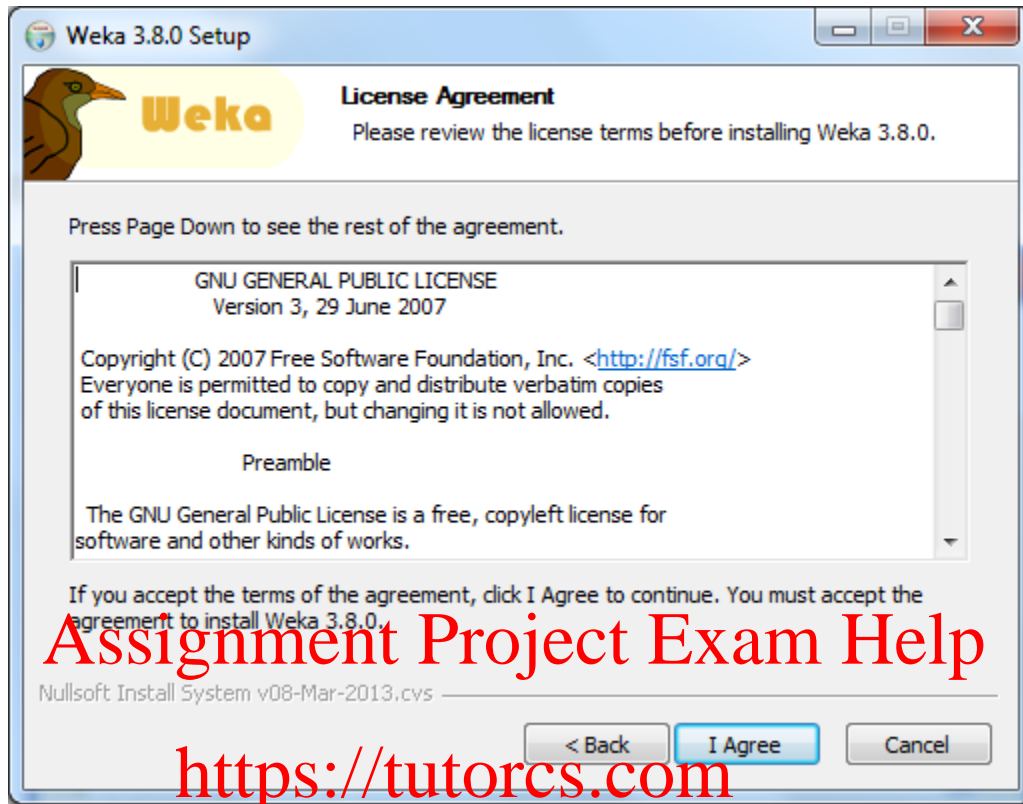
Weka Installation

Note that the screenshots shown here may not be exactly the same as those you will see on your computer screen.

1. Go to <http://www.cs.waikato.ac.nz/ml/weka/>
2. Read general description (you may want to browse various links on this page to learn more about Weka).
3. Click Download link on the left pane.
4. There are a couple of different versions. You may want to download the latest stable version (weka 3.8). Choose and download the executable that is appropriate for your computer. If you have java on your computer (most of you have java), then choose the one without java VM.
5. Run the downloaded executable file.
6. Installation is straightforward. Step by step instruction is given below FYR.
7. This is the first window you see when you run the executable. Click *Next*.

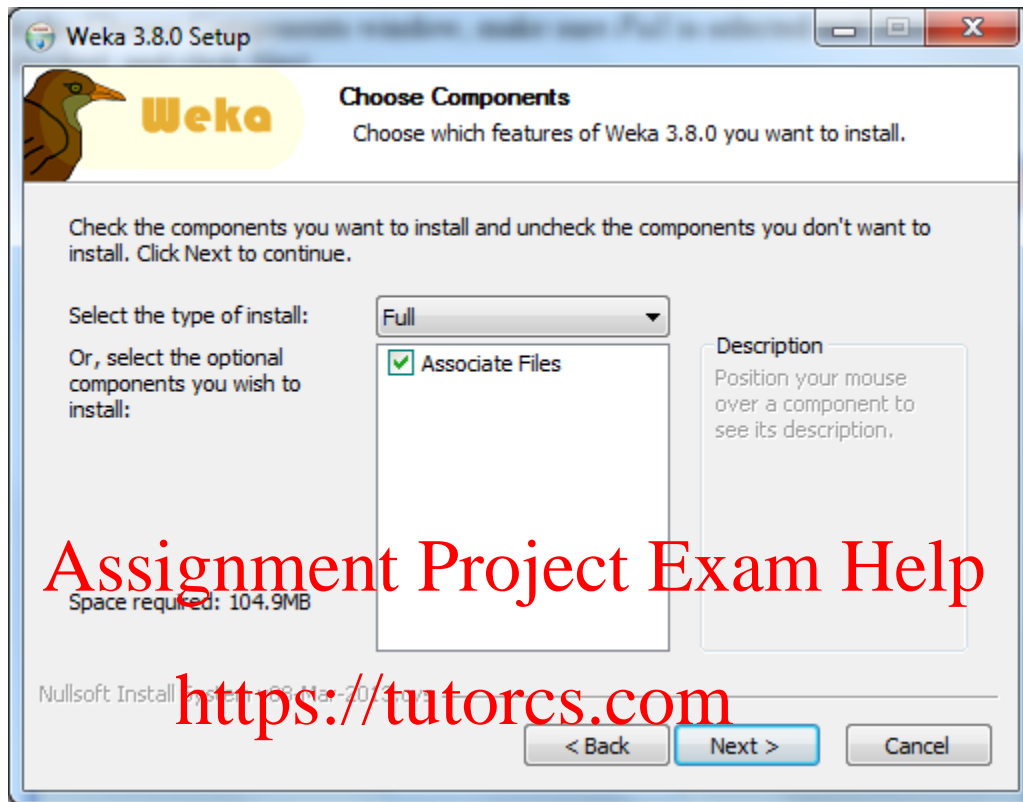


8. Click *I Agree* on the License Agreement window.



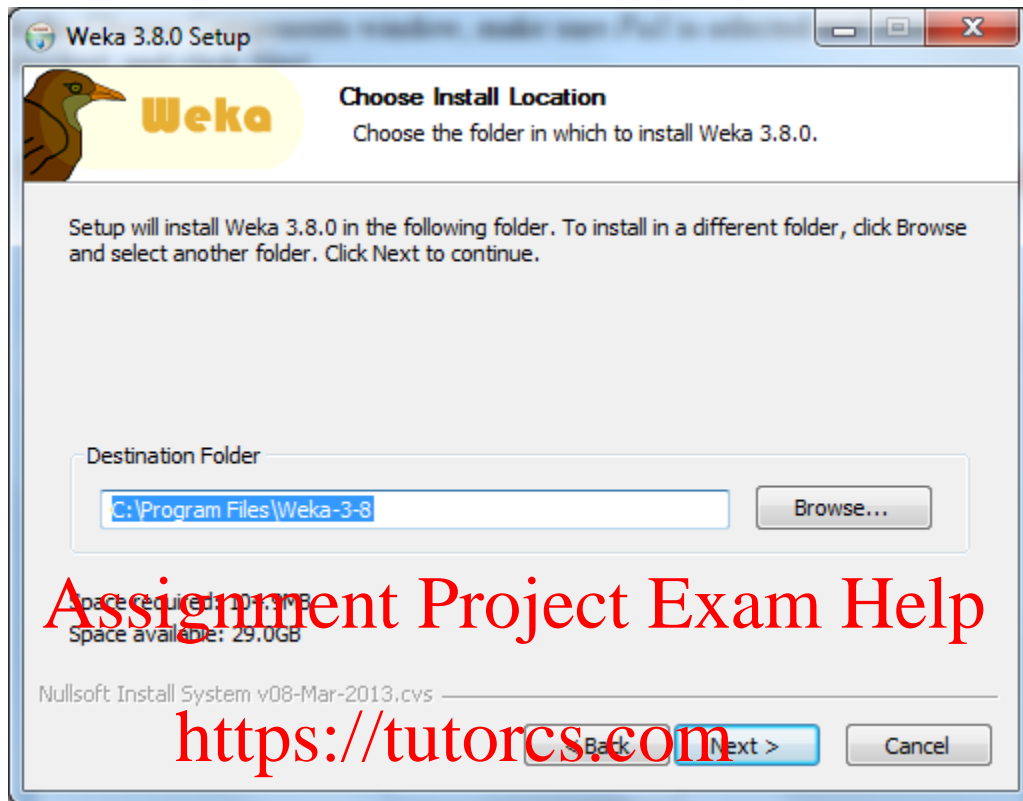
WeChat: cstutorcs

9. In the Choose Components window, make sure *Full* is selected and *Associate Files* is checked, and click *Next*.



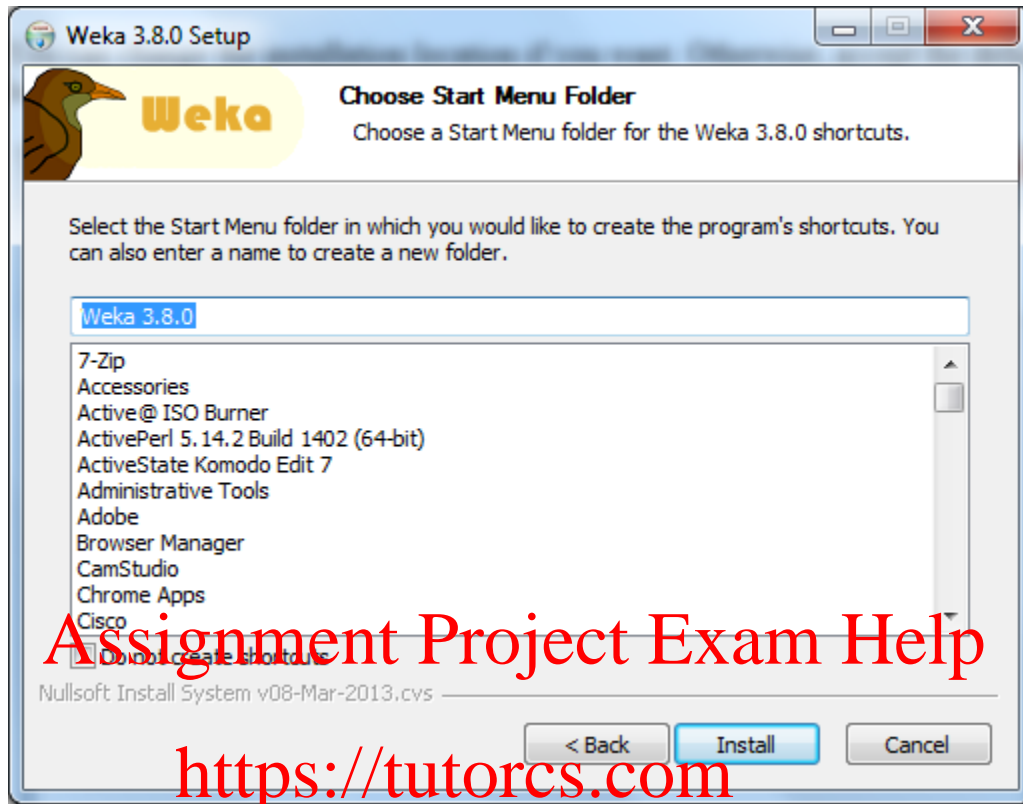
WeChat: cstutorcs

10. You can change the installation location if you want. Otherwise, accept the default location and click *Next*.



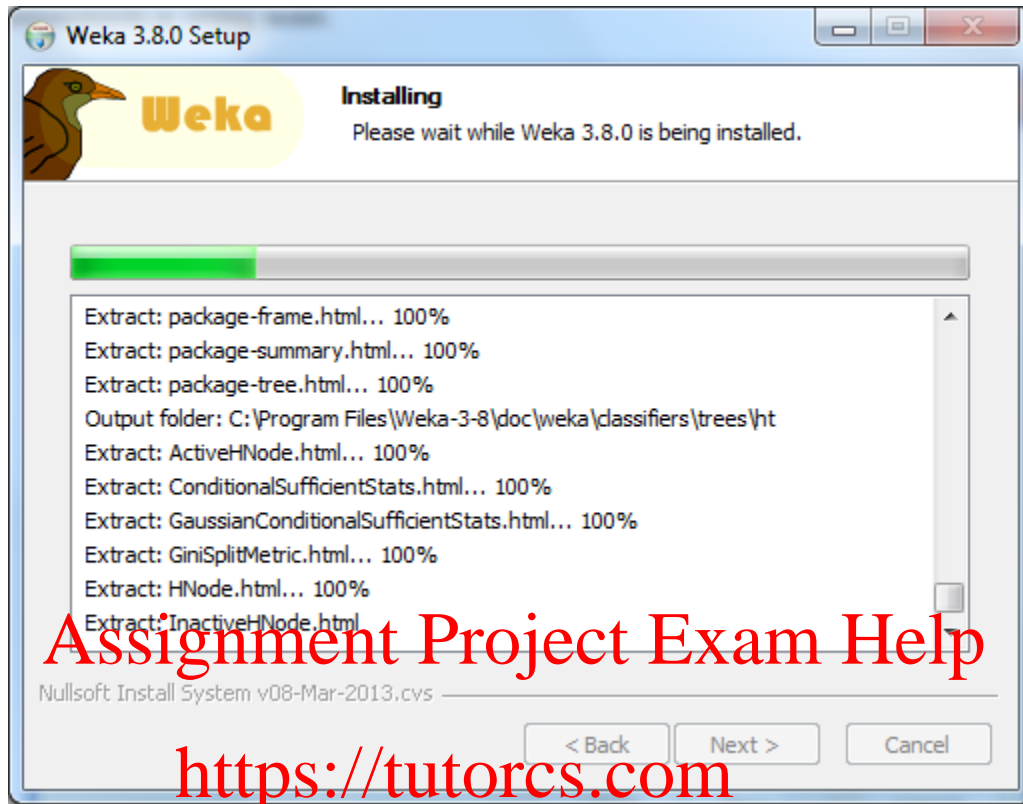
WeChat: cstutorcs

11. Click *Install*.



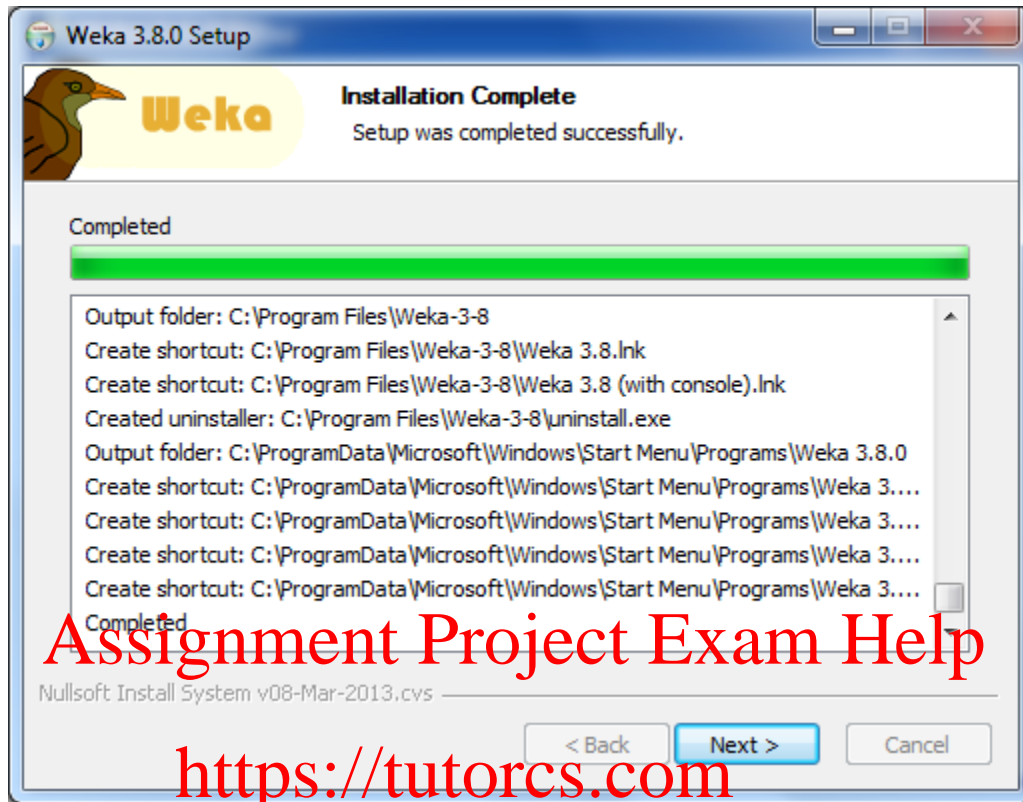
WeChat: cstutorcs

12. Installation is being done.



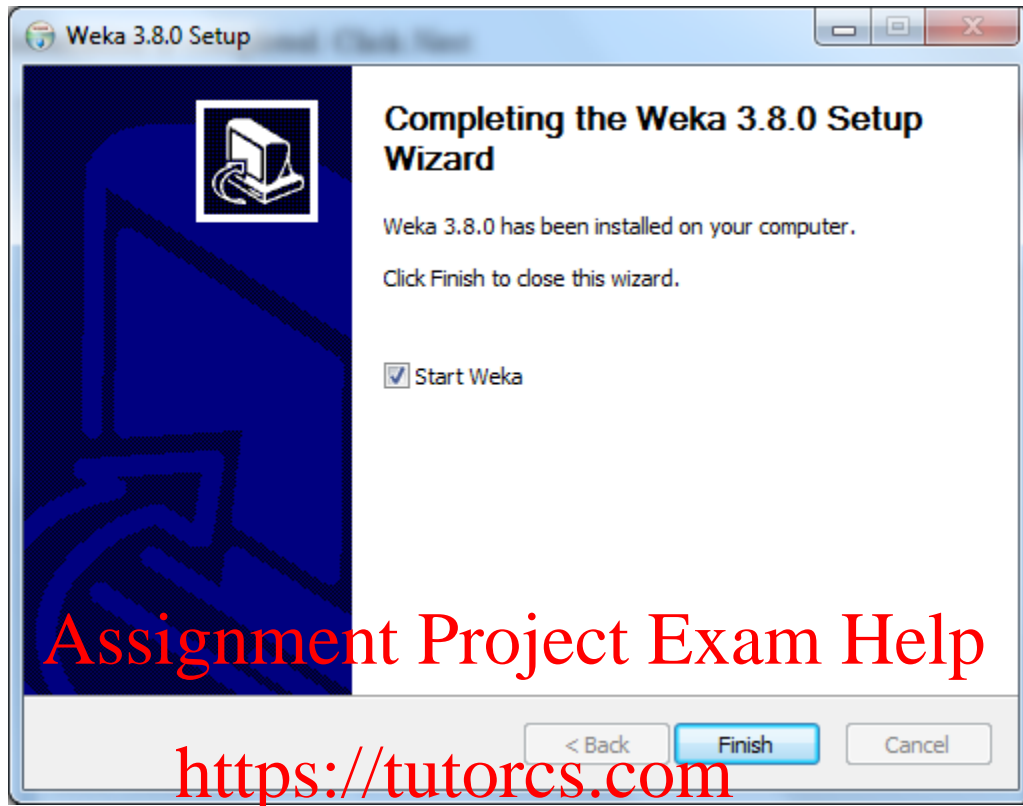
WeChat: cstutorcs

13. Installation is completed. Click *Next*.



WeChat: cstutorcs

14. Click *Finish*.



15. If you see this window, weka was successfully installed.



Appendix B: JMP Pro Installation

JMP Pro is available from the following web site of BU:

<http://www.bu.edu/tech/services/cccs/desktop/distribution/statistics/>

Go to the above web site and scroll down to the “Getting Started” section, shown below:

Getting Started

› Visit the [JMP](#) page for more information, documentation, and downloads (students and faculty, BU login required).

Click the “JMP” link and log in with your BU credential. You will see the following screen (only a part of the screen is shown):

JMP Pro 15 site license for Boston University Academic Community:

Boston University site license distribution for JMP covers all qualified faculty and students for teaching and academic research. Individual departments and schools may also acquire JMP for their classrooms and lab machines. Institutional research and other administrative uses related to the operation or improvement of Boston University or at Boston Medical Center including patient care and sports/recreational research are not included within the scope of this license. If you would like to acquire JMP for administrative use, please contact the [JMP site coordinator](#) for further information.

Our current license will expire on October 31, 2020 (ends December 15, 2020).

- › [JMP Pro 15.0 for Microsoft Windows](#) (Note: 32 bit Windows not supported)
- › [JMP Pro 15.0 for Apple Macintosh](#) (Note: Mac OS X 10.11 and earlier are not supported)
- › [JMP Documentation](#)

Download JMP Pro 15.0 for your OS and install it (you can download documentation here: https://www.jmp.com/en_us/support/jmp-documentation.html).

Then, start JMP Pro 15 by double clicking the shortcut.

1. Select Help > Sample Data Library and open Big class.jmp. You will see the following screen:

Big Class - JMP Pro

File Edit Tables Rows Cols DOE Analyze Graph Tools View Window Help

Big Class

Locked File C:\Program Files\SA

Distribution
Bivariate
Oneway
Logistic
Contingency
Fit Model
Set Sex Value Labels
Set Age Value Labels
Graph Builde...moother Line
Graph Builde...nd Bar Charts
Graph Builder Line Chart
Graph Builder Heatmap
JMP Applicat...uality Graphs

Columns (5/0)

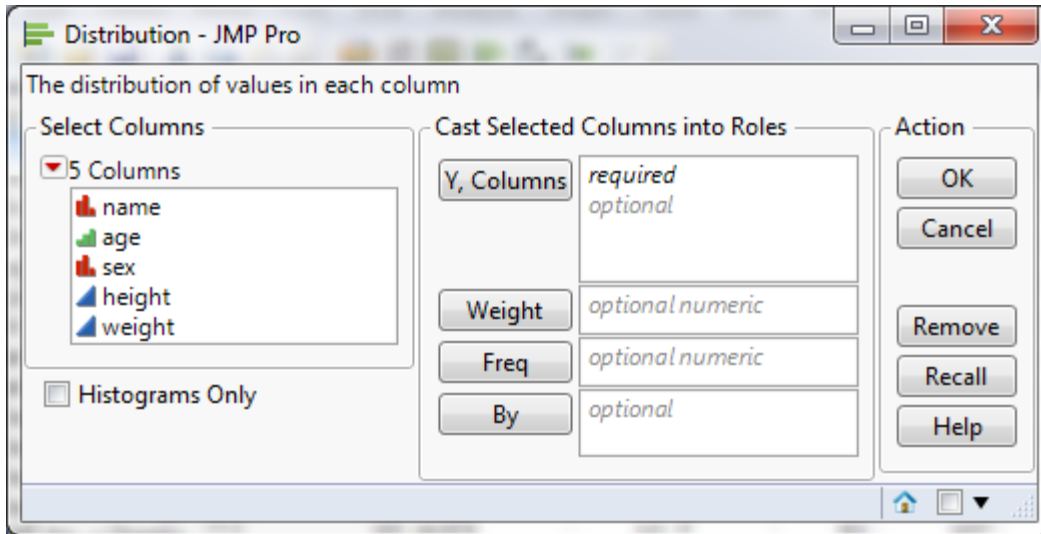
name
age
sex
height
weight

Rows

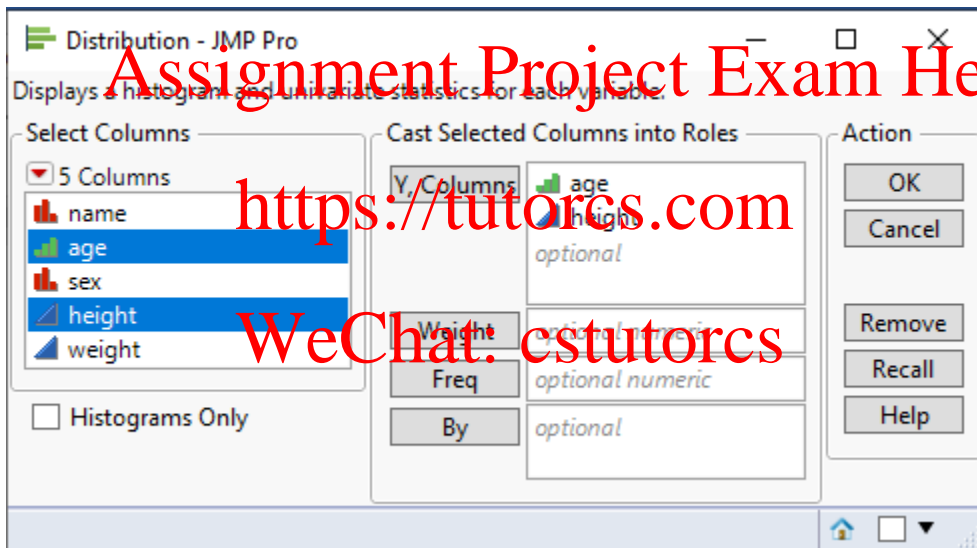
All rows 40
Selected 0
Excluded 0
Hidden 0
Labelled 0

| | name | age | sex | height | weight |
|----|-----------|-----|-----|--------|--------|
| 1 | KATIE | 12 | F | 59 | 95 |
| 2 | LOUISE | 12 | F | 61 | 123 |
| 3 | JANE | 12 | F | 55 | 74 |
| 4 | JACLYN | 12 | F | 66 | 145 |
| 5 | LILLIE | 12 | F | 52 | 64 |
| 6 | TIM | 12 | M | 60 | 84 |
| 7 | JAMES | 12 | M | 61 | 128 |
| 8 | ROBERT | 12 | M | 51 | 79 |
| 9 | BARBARA | 13 | F | 60 | 112 |
| 10 | ALICE | 13 | F | 61 | 107 |
| 11 | SUSAN | 13 | F | 56 | 67 |
| 12 | JOHN | 13 | M | 65 | 98 |
| 13 | JOE | 13 | M | 61 | 101 |
| 14 | MICHAEL | 13 | M | 58 | 95 |
| 15 | DAVID | 13 | M | 59 | 79 |
| 16 | JUDY | 14 | F | 61 | 81 |
| 17 | ELIZABETH | 14 | F | 62 | 91 |
| 18 | LESLIE | 14 | F | 65 | 142 |
| 19 | CAROL | 14 | F | 63 | 84 |
| 20 | PASTY | 14 | F | 62 | 85 |
| 21 | FREDERICK | 14 | M | 63 | 93 |
| 22 | ALFRED | 14 | M | 64 | 99 |
| 23 | HENRY | 14 | M | 65 | 119 |
| 24 | LEWIS | 14 | M | 64 | 92 |

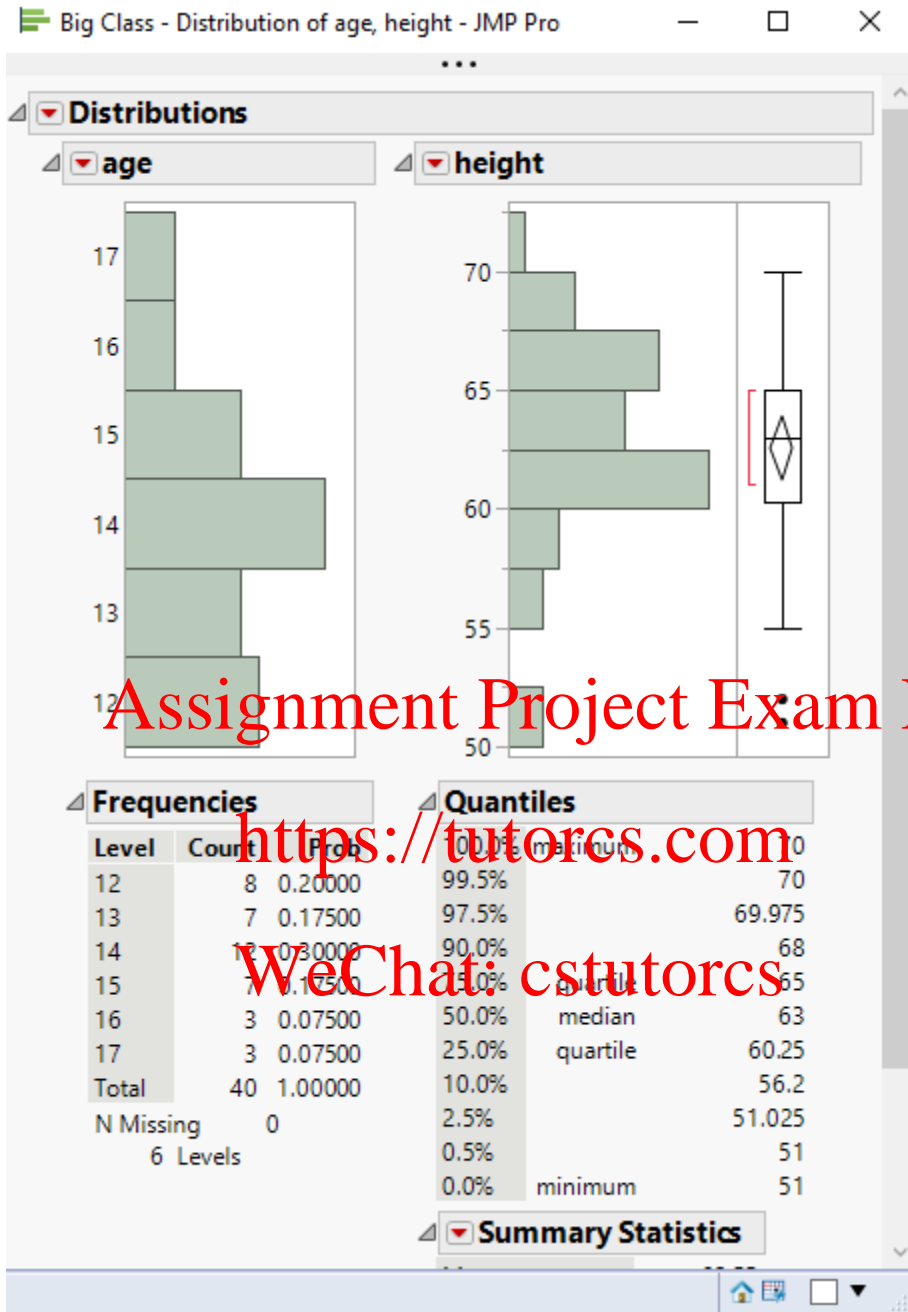
2. Select Analyze > Distribution. The following screen will pop up.



3. Select age and height and click Y, Columns, as shown below:



4. Click OK. You will see the following screen:



Capture this screen and include it in your submission file.