

Assignment 3 Tips

Use the attrition dataset to answer the following questions. As always, your assignment must be turned in as a .Rmd file.

1. Create a graph that shows the distribution of monthly income.

Given the continuous nature of this data, an intuitive plot would be to create a histogram or bar chart.

Hint: Use `ggplot` to identify the x axis and if you plan to create a histogram, try `geom_histogram(...)`

2. Create a graph that shows the average level of monthly income by field of education.

Use of a bar chart here is intuitive – each bar can represent each field of education, thus a different bar for each education group.

Hint: to create a bar chart, try `geom_bar(...)`. The x data should be the “grouping” variable.

3. Create another graph that shows average level of monthly income by field of education and gender.

Same as #2 but using an additional grouping variable. You can accomplish this by adding the additional variable as the “fill” within the `geom_bar` method:

EG `fill=as.factor(<additionalVariableNameHere>)`

4. Create a graph that shows average levels of monthly income by field of education, gender and job level (scale of 1-5, highest ranked employees are

A great way to add a third grouping variable is to create a figure of multiple figures!

Hint: use the facet option available in `ggplot`.