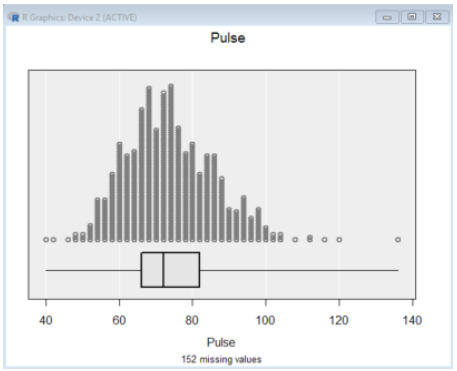
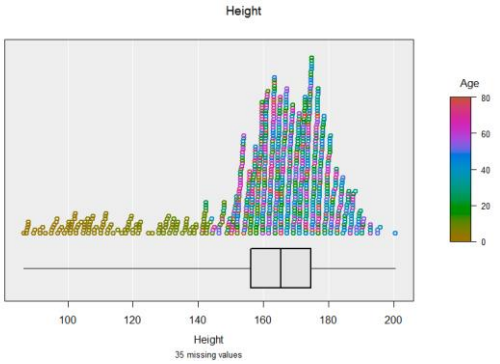
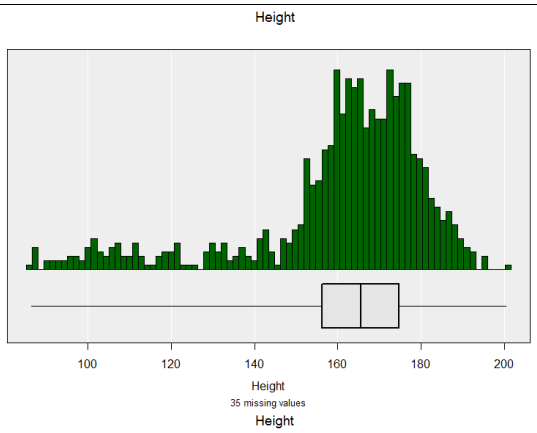
2.10 Exercise: Numeric variables – *R version*

#R Code	Commentary
# Plot a numeric variable (Pulse) **iNZightPlot(Pulse, data=nhanes_1000)** ***# Changing the size of the dots*** iNZightPlot(Pulse, data=nhanes_1000, **cex.dotpt=.4**) iNZightPlot(Pulse, data=nhanes_1000, **cex.dotpt=2**)	*Because Pulse is **numeric** we get a **dot plot*** 
***# Get** a **Summary** for Pulse* **getPlotSummary(Pulse, data=nhanes_1000)** *# Equivalent of **Get Inference** for Pulse* getPlotSummary(Pulse, data=nhanes_1000, **summary.type="inference",** **inference.type="conf"**)	``` iNZight Summary Primary variable of interest: Pulse (numeric) Total number of observations: 1000 Number omitted due to missingness: 152 Total number of observations used: 848 Summary of Pulse: Min 25% Median 75% Max Mean SD Sample Size 40 66 72 82 136 73.73 12.03 848 ```
iNZightPlot(Height, data=nhanes_1000) ***# Colour points by** Age* iNZightPlot(Height, data=nhanes_1000**, colby=Age**) ***# Change colour palette** to rainbow* iNZightPlot(Height, data=nhanes_1000, **colby=Age,** **col.fun=rainbow**)	*Coloured by Age* 

iNZightPlot(Height, data=nhanes_1000)

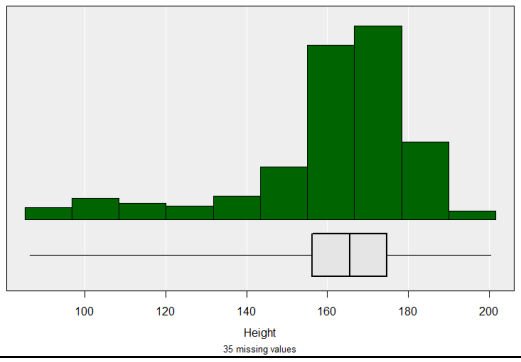
 # Change Plot type to histogram

iNZightPlot(Height, data=nhanes_1000, **plottype= "hist")**



***# Control the number of bins** (class intervals)*

iNZightPlot(Height, data=nhanes_1000, **plottype= "hist", hist.bins=10**)



 # Get a list of all the other things that can be changed in plots

inzpar() *# This list is complete*

?inzpar *# This documentation is not complete*

- Try doing more things like the above but using other variables and settings

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<u>To discuss issues related to this Exercise</u>,

go to **https://gitter.im/iNZightVIT/d2i-R-discussion**

*To be able to post to the list you will have to set up a (free) account on **Github***
https://github.com/login

If your question relates to an Exercise, say which one you are talking about!