

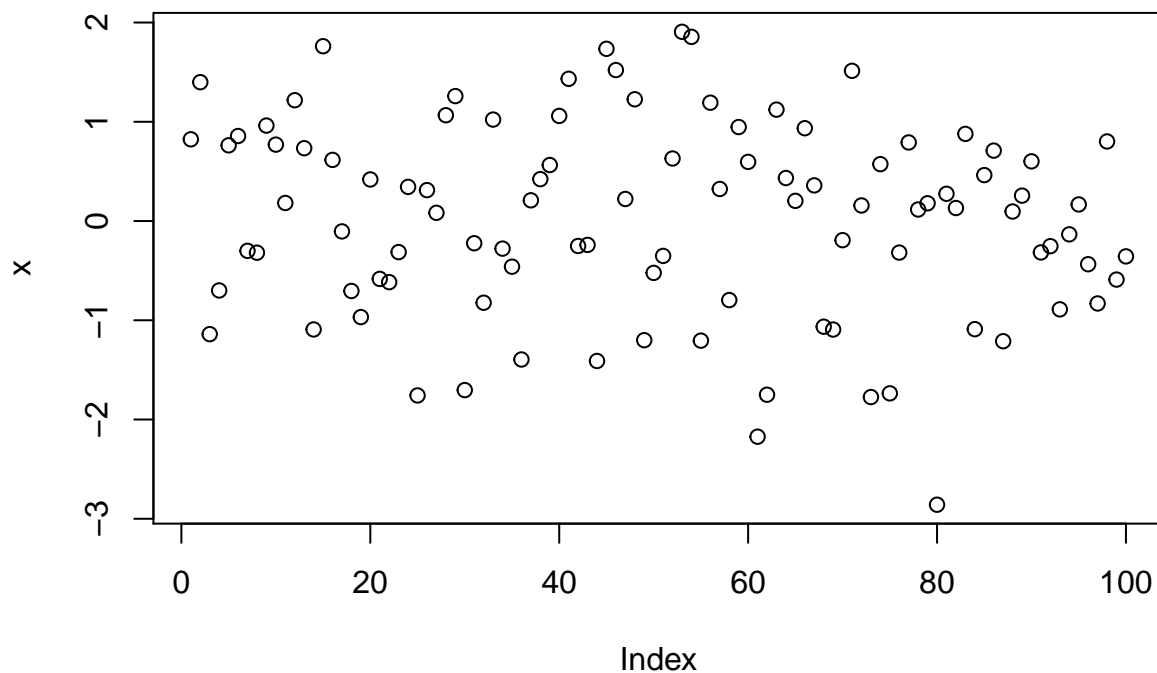
# R markdown lab

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1. Try compiling this document using the “Knit HTML” button. What files are produced?
2. Edit the output to be “pdf\_document” and recompile. What files are produced?
3. Edit the output to be “word\_document” and recompile. What files are produced?
4. What does the label “chunk1” do in the following code chunk?

```
x = rnorm(100)
plot(x)
```

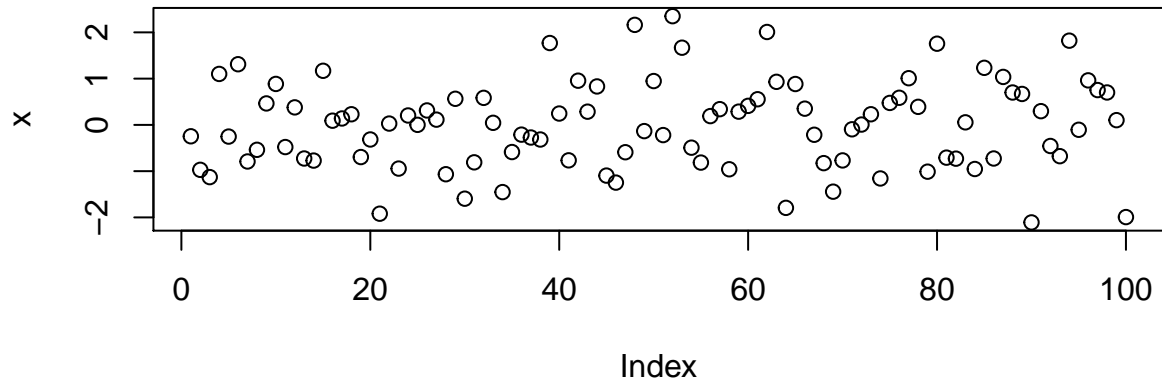


**This is a primary header. Add a secondary header with ## on the line below and recompile.**

**secondary header added**

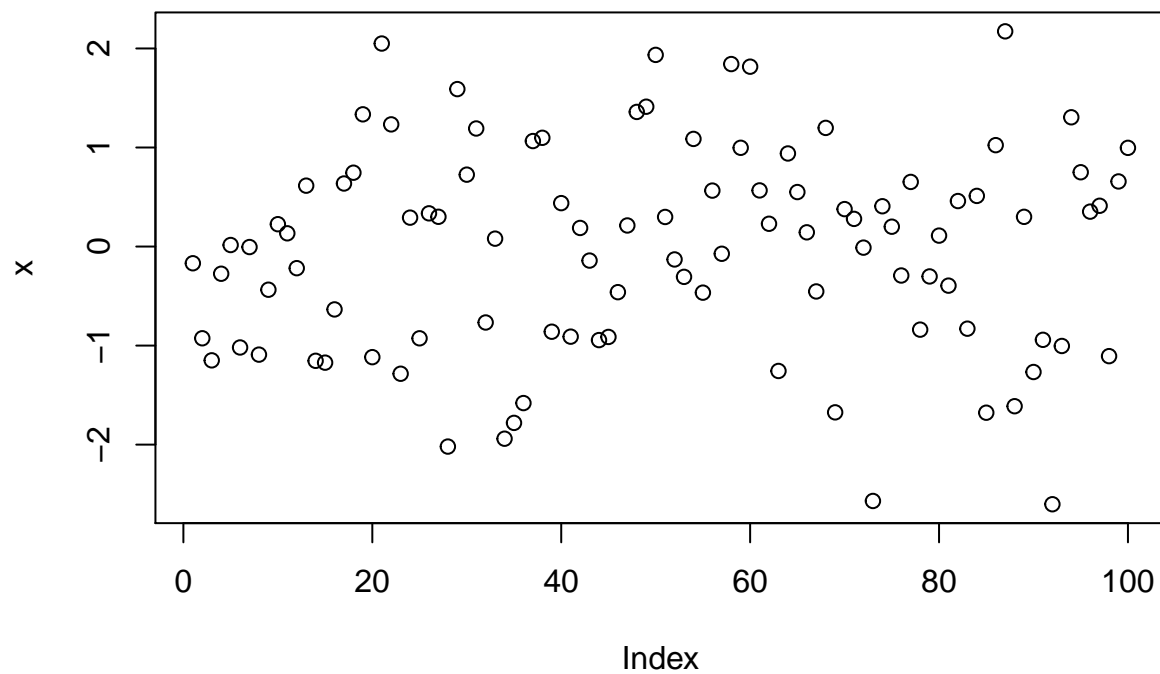
5. Change fig.height to something larger/smaller and see what happens (was 5 changed to 3)

```
x = rnorm(100)
plot(x)
```

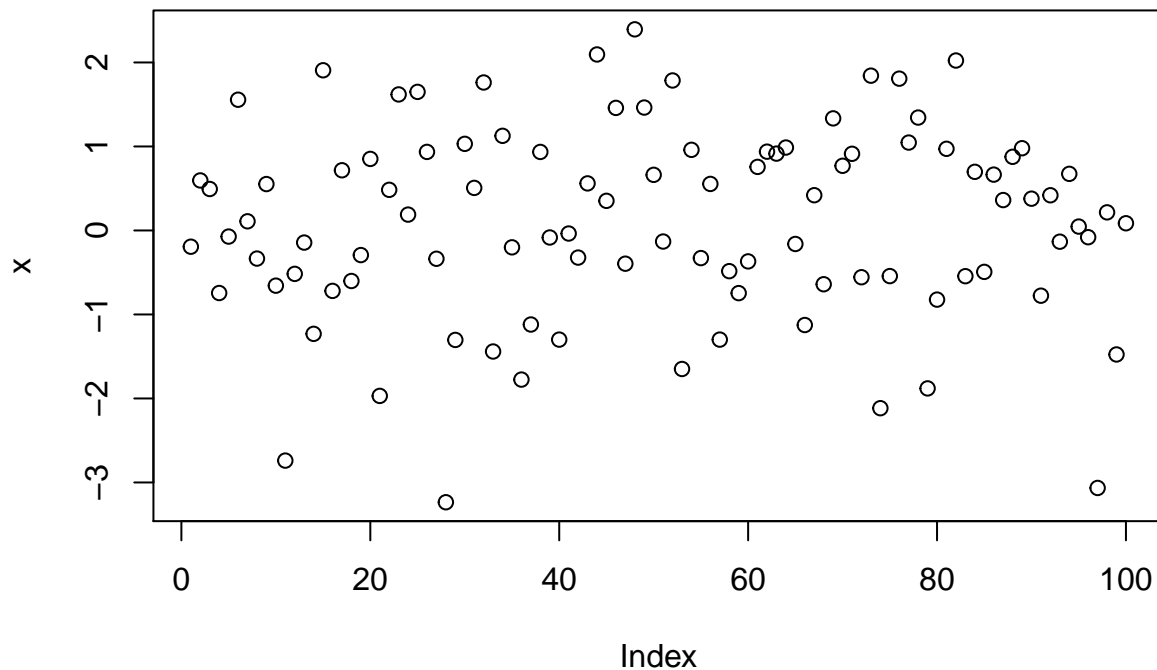


6. Add a chunk option of `fig.align="center"` to center this plot

```
x = rnorm(100)
plot(x)
```



7. Add a chunk option of `echo=FALSE` and see what happens



8. Uncomment this code and recompile the document. Then add a chunk command `cache=TRUE` and recompile. What files are created? Try compiling one more time.

```
Sys.sleep(10)
```

9. Check out the docs at: <http://rmarkdown.rstudio.com/> and look under formats. See if you can create and compile an R markdown presentation.
10. Add the command `devtools::session_info()` to this chunk and look at the output

```
sessionInfo()
```

```
## R version 3.2.1 (2015-06-18)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 8 x64 (build 9200)
##
## locale:
## [1] LC_COLLATE=English_United States.1252
## [2] LC_CTYPE=English_United States.1252
## [3] LC_MONETARY=English_United States.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United States.1252
##
## attached base packages:
```

```
## [1] stats      graphics  grDevices utils      datasets  methods   base
##
## loaded via a namespace (and not attached):
## [1] magrittr_1.5    formatR_1.2     tools_3.2.1     htmltools_0.2.6
## [5] yaml_2.1.13     stringi_0.5-5   rmarkdown_0.7   knitr_1.10.5
## [9] stringr_1.0.0   digest_0.6.8    evaluate_0.7
```