Labs

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|  | Reading |  |  |  |
| Lab 1 | Learning Analytics Goes to School, (Ch. 2, pp. 15 - 28) By Andrew Krumm, Barbara Means, Marie Bienkowski |  |  | R Cookbook 2nd Edition. (CH. 4) by James (JD) Long & Paul Teetor |
| Lab 2 | Learning Analytics Goes to School, (Ch. 2, pp. 28 - 33) By Andrew Krumm, Barbara Means, Marie Bienkowski |  |  |  |
|  |  | R for Data Science. (CH. 9) by Hadley Wickham & Garrett Grolemund |  |  |
| Lab 3 |  |  | Data Visualization: A practical Introduction (CH. 1 & 3) by Kieren Healy |  |
|  |  | R for Data Science. (CH. 3) by Hadley Wickham & Garrett Grolemund | Data Visualization: A practical Introduction (CH. 2) by Kieren Healy |  |
|  |  | R for Data Science. (CH. 7) by Hadley Wickham & Garrett Grolemund |  | “ggplot2: elegant graphics for data analysis”(CH. 1 & 2) by Hadley Wickham, Danielle Navarro, and Thomas Lin Pedersen. |
| Lab 4 |  | R for Data Science. (CH. 22 & 23) by Hadley Wickham & Garrett Grolemund |  |  |