* [Elements of Data Analytic Style](https://leanpub.com/datastyle" \t "_blank) by Jeff Leek
* [R Programming for Data Science](https://leanpub.com/rprogramming?utm_source=DST2&utm_medium=Reading&utm_campaign=DST2) by Roger Peng
* [Exploratory Data Analysis](https://leanpub.com/exdata?utm_source=DST2&utm_medium=Reading&utm_campaign=DST2) with R by Roger Peng
* [Report Writing for Data Science in R](https://leanpub.com/reportwriting?utm_source=DST2&utm_medium=Reading&utm_campaign=DST2) by Roger Peng
* [Statistical Inference for Data Science](https://leanpub.com/LittleInferenceBook) by Brian Caffo
* [Regression Modeling for Data Science in R](https://leanpub.com/regmods) by Brian Caffo
* [Developing Data Products in R](https://leanpub.com/ddp) by Brian Caffo

In addition, to the above books, two additional books that are highly relevant to the Specialization are

* [The Art of Data Science](https://leanpub.com/artofdatascience?utm_source=DST2&utm_medium=Reading&utm_campaign=DST2) by Roger Peng
* [How to Be A Modern Scientist](https://leanpub.com/modernscientist) by Jeff Leek

**Course Title:** Data Scientist's Toolbox

**Course Instructor:** Jeff Leek

### Course Description:

In this course you will get an introduction to the main tools and ideas in the data scientists toolbox. The course gives an overview of the data, questions, and tools that data analysts and data scientists work with. There are two components to this course. The first is a conceptual introduction to the ideas behind turning data into actionable knowledge. The second is a practical introduction to the tools that will be used in the program like version control, markdown, git, Github, R, and Rstudio.

This course focuses primarily on getting you set up with the appropriate tools and accounts you will need for the rest of the specialization and on giving you a solid grounding in the key conceptual ideas. If you feel like the material is basic, that is ok, you will see much more in depth treatment of each topic in the subsequent courses in the track.

**Course Content:**

* Track motivation
* Getting help
* Introduction to basic tools
* R
* Rstudio
* Git
* Github
* Types of data questions
* Steps in a data analysis
* Putting the science in data science

**https://www.coursera.org/specializations/jhu-data-science**

**https://www.coursera.org/learn/data-science-course**

**user id=singha.sandip@gmail.com**

**password=Maman@6876**

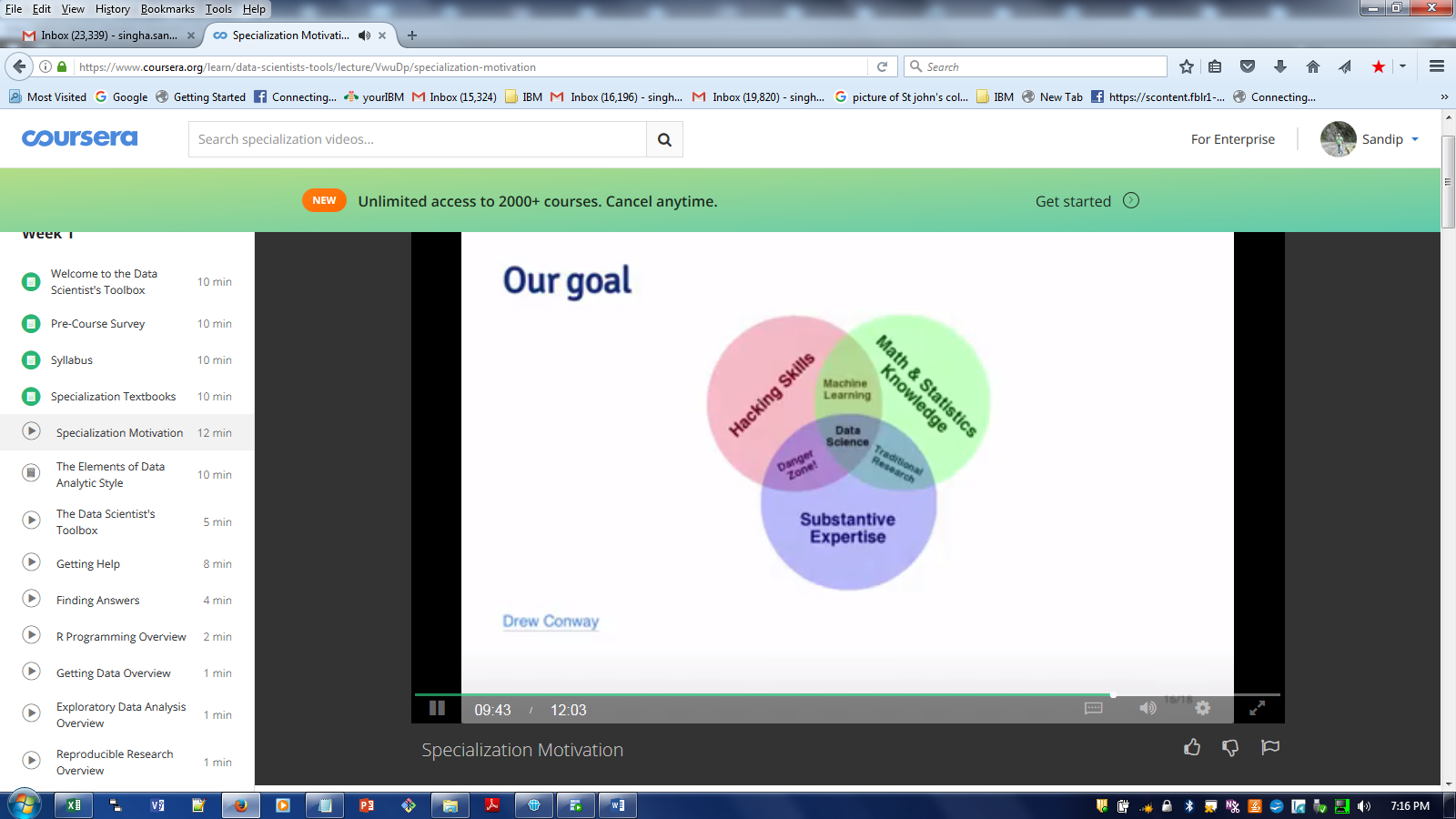
**Grading policy**

You must score at least 80% on all assignments (Quizzes & Project) to pass the course.

Your final grade will be calculated as follows:

* Quiz 1 = 20%
* Quiz 2 = 20%
* Quiz 3 = 20%
* Course project = 40%

<http://www.rstudio.com/>



R Programming :

[Download](http://bit.ly/Ufaadn) R Software : https://cran.r-project.org/