

# Beginner's statistics in R

## May 2 - 4, 2018, May institute

May 2	Topics	Speaker/Instructor
12:30PM	<b>Registration</b>	
1:30PM	Lecture : Introduction to Statistics	Olga Vitek
3:00PM	<b>Refreshments</b>	
3:30PM	Introduction to R and Rstudio	Laurent Gatto
5:00PM	R markdown	Laurent Gatto
6:00PM	Adjourn	

May 3	Topics	
8:00AM	Q&A	
9:00AM	Data exploration	Laurent Gatto
10:30AM	<b>Refreshments</b>	
11:00AM	Data exploration 2 (dplyr)	Laurent Gatto
12:30PM	<b>Lunch Break</b>	
1:30PM	Lecture : Principal of experimental design and statistical inference	Olga Vitek
3:00PM	<b>Refreshments</b>	
3:30PM	Data visualization	Laurent Gatto
5:00PM	Extra practice	Laurent Gatto
6:00PM	Adjourn	

May 4	Topics	
8:00AM	Q&A	
9:00AM	Basic statistics - randomization, statistical summaries, confidence interval	Meena Choi
10:30AM	<b>Refreshments</b>	
11:00AM	Lecture : sample size, linear regression, and categorical data	Olga Vitek
12:30PM	<b>Lunch Break</b>	
1:30PM	Statistical hypothesis test, analysis of categorical data	Meena Choi
3:00PM	<b>Refreshments</b>	
3:30PM	sample size calculation, linear model and correlation, Msnbase	Meena Choi/Laurent Gatto
5:00PM	Wrap-up	