

# Kuwait University R Workshop

## Fun Un-Real



HAgenetics & Jamalid Report Labs  
Summer 2016

Day	Time	Topic	[R]e[R]
<b>Day 1</b> <b>Monday</b> 29/8/2016	<b>Introduction to [R]</b>		<b>Hasan Alhaddad</b>
	10:00 – 10:05	We [R] f[R]iends	
	10:05 – 10:15	Ou[R] objectives	
	10:15 – 10:30	[R]-basics	
	10:30 – 10:45	Vecto[R]s	
	10:45 – 11:15	Mat[R]ices	
	11:15 – 11:20	Fo[R] fun: [R]love	
	11:25 – 11:30	You[R] functions	
	11:30 – 11:40	[R]eading and w[R]iting	
	11:40 – 11:45	Fo[R] fun: wo[R]dcloud	
	11:45 – 12:15	<b>B[R]eak</b>	
	12:15 – 01:15	Plots & g[R]aphs	
	01:15 – 01:25	Fo[R] fun: a[R]t	
	01:25 – 01:40	Wo[R]ld map	
	01:40 – 01:55	Ou[R] chats	
<b>02:00</b>	<b>See you tomo[R][R]ow</b>		
<b>Day 2</b> <b>Tuesday</b> 30/8/2016	<b>Basic Statistics In R Tutorial</b>		<b>Bader Alhajeri</b>
	10:00 – 10:15	Data input & prepa[R]ation	
	10:15 – 10:20	Desc[R]iptive statistics	
	10:20 – 10:40	One-way ANOVA/MANOVA & plots	
	10:40 – 10:50	Two-way ANOVA	
	10:50 – 11:00	Linea[R] [R]eg[R]ession	
	11:00 – 11:20	Multiple linea[R] [R]egression	
	11:20 – 11:25	ANCOVA & plots	
	11:25 – 11:35	Two-way & facto[R]ial ANCOVA	
	11:35 – 11:45	MANCOVA	
	11:45 – 12:15	<b>B[R]eak</b>	
	12:15 – 12:25	Chi-squa[R]ed	
	12:25 – 12:35	Nested ANOVA	
	12:35 – 12:45	Logistic [R]eg[R]ession	
	12:45 – 12:50	Bonfe[R][R]oni co[R][R]ection	
12:50 – 01:55	Basic statistics exe[R]cise		
<b>02:00</b>	<b>See you tomo[R][R]ow</b>		

**Kuwait University R Workshop  
Fun Un-Real**



HAgnetics & Jamalid Report Labs  
Summer 2016

Day	Time	Topic	[R]e[R]
Day 3 Wednesday 31/8/2016	<b>Advanced applications in [R]</b>		
	10:00 – 10:30	Dimensionality [R]eduction: PCA, cluste[R] analyses, visualizations, & exe[R]cise	<b>Bader Alhajeri</b>
	10:30 – 11:00	Phylogenetic compa[R]ative methods: phylogenetically co[R][R]ect statistical analyses & a glimpse at othe[R] phylogenetic compa[R]ative methods	
	11:00 – 11:15	A quick DNA analysis	<b>Hasan Alhaddad</b>
	11:15 – 11:30	A b[R]ief STR analysis	
	11:30 – 11:45	A sho[R]t SNP analysis	
	11:45 – 12:15	<b>B[R]eak</b>	
	12:15 – 01:55	<u>[R]ing you[R] data</u>	
	02:00	<b>Have successful [R]esearch</b>	