

Segemnt No.	Lecture Title	Duration	Category	Main Category
1	Introduction to R in Bioinformatics & R Installation	9:47	Introduction	R
1	The R User Interface	6:23	Introduction	R
1	Comments	4:16	Introduction	R
2	Variable Declaration & Objects	5:24	Variables & Functions	R
2	Write Your Own Functions & Arguments	4:31	Variables & Functions	R
2	Sample & Replacement	9:09	Variables & Functions	R
2	Built-in Functions & ARGS	5:39	Variables & Functions	R
2	Scripts	7:36	Variables & Functions	R
3	Packages	4:00	Packages	R
3	Install Packages	5:25	Packages	R
3	Library & Initialize Packages	2:27	Packages	R
3	Getting Help with Help Pages	3:42	Packages	R
3	Atomic Vectors	2:42	Vectors & Data Types	R
3	Doubles	3:30	Vectors & Data Types	R
3	Integers	3:23	Vectors & Data Types	R
3	Characters	4:43	Vectors & Data Types	R
3	Logicals	2:27	Vectors & Data Types	R
3	Attributes & Names	4:46	Vectors & Data Types	R
3	Dim & Dimensions	5:46	Vectors & Data Types	R
3	Matrix & Matrices	4:42	Vectors & Data Types	R

3	Arrays	3:42	Vectors & Data Types	R
3	Class	3:12	Vectors & Data Types	R
3	Factors	6:40	Vectors & Data Types	R
3	Coercion	4:27	Vectors & Data Types	R
3	Lists	6:41	Vectors & Data Types	R
4	Data Frames	4:15	Biological Data Analysis	R
4	Loading Biological Data	16:30	Biological Data Analysis	R
4	Saving Biological Data	16:16	Biological Data Analysis	R
4	R Notiation & Selecting Values from Biological Dataset	6:30	Biological Data Analysis	R
4	Positive Integers for Subsetting Biological Dataset (DataFrame)	7:55	Biological Data Analysis	R
4	Negative Integers for Subsetting Biological Dataset (DataFrame)	5:26	Biological Data Analysis	R
4	Zero Notation for Subsetting Biological Dataset (DataFrame)	4:09	Biological Data Analysis	R
4	Blank Spaces for Biological Data Subsetting	5:25	Biological Data Analysis	R
4	Dollar Signs for Biological Data Subsetting	5:28	Biological Data Analysis	R
4	Modifying Values in Existing DataFrames/Datasets	1:09	Biological Data Analysis	R
4	NA Values in Biological Datasets	3:20	Biological Data Analysis	R
4	Figuring Out NA Values in Biological Datasets	2:58	Biological Data Analysis	R
4	Logical Subsetting in Biological Datasets	7:06	Biological Data Analysis	R

4	If Else Statements	5:24	Control Flow	R
4	For Loops & Biological Data Binding	2:06	Control Flow	R
4	While Loops & Reading Multiple Biological Datasets	9:45	Control Flow	R
5	Introduction to ggplot2 for Biological Datasets	10:46	Data Visualization: ggplot2	R
5	ggplot2: Key components	8:25	Data Visualization: ggplot2	R
5	ggplot2: Human Mitochondrial Proteome & Aesthetics (Size, Shape, Color)	26:02	Data Visualization: ggplot2	R
5	ggplot2: Facetting of Human Genome	22:25	Data Visualization: ggplot2	R
5	ggplot2: Smooth Out the Biological Data	8:43	Data Visualization: ggplot2	R
5	ggplot2: Boxplots for Human Mitochondrial Proteome	7:55	Data Visualization: ggplot2	R
5	ggplot2 :Histograms for Human Mitochondrial Pattern Finding	6:02	Data Visualization: ggplot2	R
5	ggplot2: Frequency Plots for Human Mitochondrial Information Frequency Mining	6:12	Data Visualization: ggplot2	R
5	ggplot2: Bar Charts Human Mitochondrial Knowledge Mining	10:43	Data Visualization: ggplot2	R
5	ggplot2 - Scaling and Limiting Data Visualization	3:53	Data Visualization: ggplot2	R
5	ggplot2 - Changing Labels and Finalizing Visualization	8:41	Data Visualization: ggplot2	R

5	ggtree - Phylogenetic Tree Visualization	5:41	Data Visualization: ggplot2	R
5	ggplot2 - Saving the Visualizations in High Resolution	4:44	Data Visualization: ggplot2	R
5	Volcano Plot Visualization - Finding Differentially Expressed Genes	11:51	Data Visualization: ggplot2	R
5	Heatmap Visualization - Plotting Distances Between Samples	8:36	Data Visualization: ggplot2	R