



# CERTIFICATE *of* ACHIEVEMENT



This is to certify that

## Andrew Johnston

successfully completed and received a passing grade in

**PH525.1x: Statistics and R for the Life Sciences**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

**Rafael A. Irizarry**

Professor of Biostatistics  
*Harvard T.H. Chan School of Public Health*

Professor of Biostatistics  
and Computational Biology  
*Dana Farber Cancer Institute*

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# CERTIFICATE *of* ACHIEVEMENT



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successfully completed and received a passing grade in

**PH525.2x: Introduction to Linear Models and Matrix Algebra**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

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**PH525.4x: Introduction to Bioconductor**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

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## Andrew Johnston

successfully completed and received a passing grade in

**PH525.3x: Advanced Statistics for the Life Sciences**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

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## Andrew Johnston

successfully completed and received a passing grade in

**PH525.5x: Case study: RNA-seq data analysis**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

**Rafael A. Irizarry**

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## Andrew Johnston

successfully completed and received a passing grade in

**PH525.6x: Case study: Variant Discovery and Genotyping**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

**Rafael A. Irizarry**

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## Andrew Johnston

successfully completed and received a passing grade in

**PH525.8x: Case study: DNA methylation data analysis**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

**Rafael A. Irizarry**

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# CERTIFICATE *of* ACHIEVEMENT



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## Andrew Johnston

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**PH525.7x: Case study: ChIP-seq data analysis**

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

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