Website	University/Course
www.online-learning.harvard.edu	Harvard University:
	Principles, Statistical & Computational Tools for Reproducible Science (learn skills & tools that support data science)- 8 week course
	Data Science: Wrangling (learn to process & convert raw data into formats needed for analysis) – 8 week course
	Data Science: Linear Regression (learn to implement linear regression modelling approaches to data science) – 8 week course
	Data Science: Visualisation (learn basic data visualisation principles & how to apply them using ggplot2) – 8 week course
	Data Science: Probability(learn probability theory using a case study of the financial crisis of 2007-2008) – 8 week course
	Data Science: R Basics (build a foundation in R and learn how to wrangle, analyse & visualise data) (Introductory Level) – 8 week course
	Data Science: Inference & Modelling – 8 week course
	High Definition Data Analysis (focus on several techniques) – 4 week course
	Introduction to Linear Models and Matrix Algebra (learn to use R Programming to apply linear models to analyse data) – 4 week course
	Statistics and R)introduction to basic statistical concepts & R programming skills for analysing data) -4 week course
	Princeton University:
www.coursera.org	Computer Science: Programming with a Purpose (Beginner Level) – 10 week course
	Computer Science (algorithms, theory & machines) (Intermediate Level) – 10 week course
	Computer Architecture (Advanced Level) – 11 week course
	Stanford University: Probabilistic Graphical Models Specialisation (a rich framework for encoding probability distributions over complex

domains/multivariate distributions over a large number of domain) – 4 week course starting March 23 rd
Introduction to Mathematical Thinking (Intermediate Level) – starting March 30 th 24 hours to complete at own pace
Machine Learning (logistic regression, artificial neural networks, machine learning algorithms & machine learning) – starting March 30 th , 56 hours to complete at own pace
Introduction to Logic – 10 week course starting March 30 th
University of Pennsylvania: Computational Thinking for Problem Solving – 4 week course starting March 24th
Duke University: Statistics with R Specialisation (master statistics with R Statistical mastery of data analysis including inference, modelling & regression approaches) (Beginner Level) – 7 month course starting March 24 th 2020
Data Science with Mathematical Skills (designed to teach learners the basic math needed to be successful in almost any data science math course) (Beginner Level) – 4 week course starting March 24 th 2020
Introduction to Machine Learning (Foundational understanding of machine learning models) – 4 week course starting March 24 th 2020
John Hopkins University: Data Science Specialisation (covers the concepts & tools needed throughout the entire data science pipeline from asking the right kinds of questions to making inferences & publishing data) – 8 week course starting March 24 th 2020
Data Science: Foundations using R Specialisation (learn to ask the right questions, manipulate data sets & create visualisations to communicate results) – 4 month course starting March 24 th 2020
Data Science: Statistics & Machine Learning Specialisation(build models, make inferences & deliver interactive data products) (Beginner Level) – 6 month course starting March 24h 2020

	Advanced Linear Models for Data Science 1: Least Squares (Advanced Level) – 6 weeks course starting March 24 th 2020 Advanced Linear Models for Data Science 2: Statistical Models (Advanced Level) – 6 weeks course starting March 24 th 2020
www.edx.org	Harvard University: Introduction to Probability (learn probability & set of tools for understanding data, randomness & uncertainty) (Intermediate Level) – 7 week course
	Columbia University: Statistical Thinking for Data Science & Analytics (learn how statistics plays a central role in the data science approach) – 5 week course starting March 24 th 2020
	Machine Learning for Data Science & Analytics (learn the principles of machine learning & the importance of algorithms) – 5 week course starting March 24 th 2020
	Enabling Technologies for Data Science & Analytics: The Internet of Things (discover the relationship between Big Data and the Internet of Things) – 5 week course starting March 24 th 2020
	<u>University of Pennsylvania:</u> Algorithm Design & Analysis (Intermediate Level)- 4week course starting March 24 th 2020
	Software Development Fundamentals (Intermediate Level) – 4 week course starting March 24 th 2020