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**Predictive Analysis – by U Dinesh – IIMB on edX**

[https://courses.edx.org/courses/course-v1:IIMBx+QM901x+1T2019/course/](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/course/)

**Brief Syllabus**

* **Module 0: Course Prerequisites**
	1. 0.0 Welcome
		1. [Module Objective](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40cf40b2dbb3e741c4ab67bb8b8609ec6a)
		2. [Course Overview](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%404bc439dca4d34c6893dc943c4034ebc2)
		3. [Poll: Course Topics](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f02432e2353448e189d3514e1dedc04c)
	2. 0.1 Descriptive Statistics
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c938cdb888274e48a667946f4a01dc16)
		2. [Data Types and Scales](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405ef6b6d1cc91438ebbc038841e62748f)
		3. [Measures of Central Tendency and Dispersion](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%408771ea99255b4f3c83f4e4e0013ca6fb)
		4. [Measures of Shape](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c8569538c64747d08372ab411c645be2)
		5. [Data Visualization](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%406756e99942dc435dbdda3f1bb1790395)
		6. [Descriptive Statistics Slides](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40deb388490e2c45a19bdc9a4389e85fad)
		7. [Key Takeaways](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c9c465ffeb5349d4b056019ffc21a326)
		8. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40dc6327653ea8459b8cf7956c2ff18a9e)
	3. 0.2 Probability Distribution
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40095033c7494c434a87cff695d8451c9f)
		2. [Fundamental Concepts](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405ed4f42992b34272a1bc054a1ea47d02)
		3. [Random Variables](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%401169cfe5293249538d173574bc3e7634)
		4. [PMF, PDF and CDF](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40d4e4dfda4e5a4d7c9d65d034b63d9c17)
		5. [Normal Distribution](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4015a72e678f4c4daa851e9e41770d96b1)
		6. [Chi-Square Distribution](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4066806a0d9c3a4cb98d7b331c4a4774cb)
		7. [Student's t-Distribution](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40ef0a9603924a42999e9faa90ddf4a832)
		8. [F-Distribution](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40062937fda89e45539aaf64ec62eeecfe)
		9. [Summary](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%401bd6178db797454cbebb3ce28caba1a2)
		10. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40a8750ece40684e4e8ed4ad353df00d92)
	4. 0.3 Sampling and Estimation
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4049631ce048dd41aab15edbc8a741da18)
		2. [Population Parameters and Sample Statistics](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4036fcf47c238c458e9b829d49a0b18765)
		3. [Sampling Distribution](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%400cf5ea5e88094cbda82a0f44ad1c5660)
		4. [Central Limit Theorem](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4069ed76da0f354f69b6419d43a73c4d9d)
		5. [Summary](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4093c9d4d862064d52bdd12adcb7e543ac)
		6. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f32b4b237d7e4b47be1a488c0fa11b82)
	5. 0.4 Hypothesis Testing
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%406eee3f2d38da44f1b9cc252f3f81ebbc)
		2. [Hypothesis Testing](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%406d97d43dde494ae18f100abaec790384)
		3. [Null and Alternative Hypothesis](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405e771e67084c4bd1aca9fea76faabc5d)
		4. [Ungraded Quiz -1](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405f0cb31ec8b24145bfd24baa618f993e)
		5. [One-Tailed and Two-Tailed Tests](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4056347513ada84f51a94440a78d4a6304)
		6. [Type-I and Type-II Error](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40adfc7878463d4997986e6b05c8c47d1e)
		7. [Test Statistic](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4013215a9035cd4f03a59bf5f719d2a76c)
		8. [Ungraded Quiz - 2](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f4feddce11474efabff556f0b6aaff70)
		9. [One-Tailed and Two Tailed Test of Means: Examples](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4087d1af1b2e4547a48093ab558bc0aaed)
		10. [Summary of Steps in Hypothesis Testing](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4008ca1ab6af6a43639c81c9a6bf8b7a71)
		11. [One-Sample Test for Proportion: z-statistic](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c0f9b4834c7444a68aa7f2939efc85cf)
		12. [One-Tailed and Two-Tailed Test of Means: t-statistic](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4047516b5632df4ca0a699113af4faec26)
		13. [Summary: One-Sample Hypothesis Test](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40443905c89a9444578ec9192ed235f058)
		14. [Two-Sample Hypothesis Tests](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%409b38904f52384a39bb6966da8cf9be09)
		15. [Two-Sample Hypothesis Tests: Scenario 1](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c8443f558ae7420bbf6e90e138c07288)
		16. [Two-Sample Hypothesis Tests: Scenario 2](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4050548191cc18491cb2b8a9953cc01902)
		17. [Two-Sample Hypothesis Tests: Scenario 3](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%406f2def84120c4727858da25e7646cf65)
		18. [Paired Sample t-Test](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%402f513f206b3243bab10923dd09f13872)
		19. [Summary: Hypothesis Testing](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f648198ce36f476095c5529690663329)
		20. [Key Takeaways](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40d8a8e0ecaa5b4324bc9077cee18ebfc1)
		21. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40b651b5283dcf468e8b9724c0c4cfbae1)
	6. 0.5 Analysis of Variance
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40faccb0e9aacc40c6889a3420d46a6f95)
		2. [One-Way ANOVA](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40ef59ab1f5f6a403dad805bc971ae378c)
		3. [Two-Way ANOVA](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40b7731fb7359544c88b9622ae4acfe371)
		4. [ANOVA Slides](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4041d7005a9497438ba919d15e6ca26404)
		5. [Key Takeaways](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40d07fec205dad4251ba48910f9ebc95aa)
		6. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c63fb3636bbe4e9597667e8370a9d410)
	7. 0.6 Software Installation - R and Python
		1. [Introduction to R](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%404ba9eaf704494859b1c0d8be94ef48d0)
		2. [Poll: R Installation](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40a6c17f7e6a1b47239f552ac92fcacad2)
		3. [Introduction to Python](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40ad377db82456447c942b83757df24c2d)
		4. [Poll: Python Installation](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40a11e309f3ab34a4d918df7a538fe7e24)
	8. 0.7 Module 0: Repository of Learning Resources
		1. [Co-create Learning Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%401a55b8e00e894236a33a2ec5ab9ae01d)
		2. [Recommended Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40cc87420feb8a463784d000aa6dda0580)
* **Module 1: Introduction to Analytics**
	1. 1.0 Welcome
		1. [Module Objective](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40d7e0f64b29c7432cb925cd37891feb32)
		2. [Module Overview](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40ec360869771641aeb50a9cc7033b35bd)
		3. [Learner Poll](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%409254ff8860e949e9bea8674532ed1650)
	2. 1.1 Analytics Overview
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40cf5067e1e6c64956803e87537a9b5ef7)
		2. [What is Analytics?](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40278990c3897d43c98fa691ecb6622603)
		3. [Why do we need Analytics?](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40d0c81926d41d49f885f18df17f465cd4)
		4. [Ungraded Quiz - 1](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%400cabea950342409fb6dfecf036c11348)
		5. [Key Takeaways](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405038ac8a2dc64fad900d5eaa9b558629)
		6. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4048dd842c60d241bb99dd24980d7c261b)
	3. 1.2 Analytics in Decision Making
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40bd6456a684a64ce690305a2b0c25b83d)
		2. [Analytics and Decision Making](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c3dccfe369894ceeae29cb6e58c9c75b)
		3. [Game Changers and Innovators](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40d38830f539bc44cd8d79ee6c9ca7bef6)
		4. [Power of Analytics](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4005cf6215a65f4e30a28f26308a321383)
		5. [Ungraded Quiz - 2](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%403b279c444a8a4122b88cc1746fba3f39)
		6. [Key Takeaways](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%407e058f114fe9424bb00417e957049419)
		7. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40944f078b945442d8bf1f6139d1cd3194)
	4. 1.3 Predictive Analytics
		1. [Introduction](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40828fe5a50cf74812840479ecbb46a951)
		2. [Predictive Analytics](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4068f33fe5442341d89f7ad09e109c940a)
		3. [Ungraded Quiz - 3](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f51dfffbdc84415f8cf692eff561819b)
		4. [Key Takeaways](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40846cbd09e0ef4e769b1249034d76811a)
		5. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40a066881a08d94f87977243de8ef2aeb2)
	5. 1.4 Experts View on Analytics
		1. [Unit 1 - Finance](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40553639dd7b154d538971f00de0cbe4fa)
		2. [Unit 2 - Manufacturing](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4000bcbbaa21964686ad8aef7b55d4c28b)
		3. [Unit 3 - Healthcare](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%408be58b25feb44fbbb0dfe4512cb4edde)
		4. [Unit 4 - IT](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40843bb6f6648a461283febe1fd498b854)
		5. [Unit 5 - Telecommunications](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40dcb33bce91fb4b63934077fb7d9d28cc)
		6. [Unit 6 - Supply Chain](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40eb5563989aaf4764a2d6517995317bef)
		7. [Unit 7 - Digital Analytics](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%400a39e879b1094675828427b2ad8eab40)
		8. [Key Takeaways](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f309eb53c32f46da93c9af15b667a3e7)
		9. [Poll: Learner Feedback](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40d57bf55b92bf44fda2e0a2f8703bfc6c)
	6. 1.6 Module 1: Repository of Learning Resources
		1. [Co-create Learning Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40030b8196b38d4bb78d5a7130f75ccdd1)
		2. [Recommended Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f31f133637954ac6ac7fee6029ad3814)
* **Module 2: Simple Linear Regression (SLR)**
	1. 2.0 Welcome
		1. [Module Objective](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c7974c7972f64df894c3d2c241c38238)
		2. [Module Overview](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f3ade6d01f1d4c50b974b02d4719b205)
		3. [Learner Poll](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40afa463ffbd924052ba1ad87e87050788)
	2. 2.1 Caselet Overview
		1. [Learning Objectives for Week 2](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4095dde602ffa84d5685a08116b9a4e8c8)
		2. [DAD Hospital : Package Pricing](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c64f21b4cf6442b3b617acb475c344fd)
	3. 2.2 Introduction to Regression
	4. 2.3 Regression: Model Development
	5. 2.4 Estimation of Confidence and Prediction Interval
	6. 2.5 SLR: Model Validation
	7. 2.6 Residual Analysis
	8. 2.7 Practice Problems
		1. [Questions](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4035f9d5152dd1427dab4920aaa3c998d7)
		2. [Solution](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%407ef73bca31194af79279e61a475a4120)
	9. 2.8 Demo and Exercise: Data Analysis Week 2 Assessment  This content is graded
		1. [Excel](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40cc8a27c0dd9e4f32bae140f1cf54f36e)
		2. [SPSS](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40c2d219a6f53a46b2a87bd32de48045b9)
		3. [Graded Exercise](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405b7bc5e1044c42829a1ba1c839d03057)
	10. 2.10 Module 2: Repository of Learning Resources
		1. [Co-create Learning Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4019b94f1ddb3d437ebfe1b62d3eb6921b)
		2. [Recommended Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40fb6042516613481fbd0b770c431abebf)
* **Module 3: Multiple Linear Regression (MLR)**
	1. 3.0 Welcome
		1. [Module Objective](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4084c5281c689e4bde9f9568a62875e6bd)
		2. [Module Overview](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%407cc2f9da1b8c44b793df6790917a1a9e)
		3. [Learner Poll](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40ce443510e046400a8d5795cac5e633ca)
	2. 3.1 Introduction to Multiple Regression
	3. 3.2 Multiple Regression: Model Development
	4. 3.3 Multiple Regression: Model Diagnostics
	5. 3.4 Qualitative Variables and Multi-collinearity
	6. 3.5 Variable Selection Methods
	7. 3.6 Model Deployment
	8. 3.7 Practice Problems
		1. [Questions](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%407fe43005e5a942448f8e1b43cfb61860)
		2. [Solution](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4016d7b0a31ef444cf82a81226c52d663b)
	9. 3.8 Demo and Exercise: Data Analysis Week 3 Assessment  This content is graded
		1. [SPSS](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405fb63c024b6a4127b0ee9cd7f6b6a34f)
		2. [Graded Exercise](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40f531a3d91db34aa5ab56b923e1fc8bc1)
	10. 3.10 Module 3: Repository of Learning Resources
		1. [Co-create Learning Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%404d11782312b34336bb23f61c3e2075d6)
		2. [Recommended Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%401b396c35be4744c99a6a795948f083d8)
* **Module 4: Logistic Regression**
	1. 4.0 Welcome
		1. [Module Objective](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%407b8d3a2a67c04becb2d3de89ecc78ce8)
		2. [Module Overview](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%400c4f3e2522614bf2acf6c2470cec137f)
		3. [Learner Poll](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40a3bbd35e30cf41128f63cd85cfb6a46a)
	2. 4.1 Introduction to Logistic Regression Week 4 Assessment

This content is graded

* 1. 4.2 Logistic Regression: Estimation and Interpretation
	2. 4.3 Logistic Regression: Model Diagnostics Week Assessment

This content is graded

* 1. 4.4 Logistic Regression: Example and Accuracy measures Week 4 Assessment  This content is graded
	2. 4.5 Model Deployment and Classroom Queries Week 4 Assessment  This content is graded
	3. 4.6 Demo and Exercise: Data Analysis Week 4 Assessment

This content is graded

* 1. 4.8 Module 4: Repository of Learning Resources
		1. [Co-create Learning Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%403bfc90061a6145fdab1f02beef67b91b)
		2. [Recommended Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%403db0af6f60fe480f90b7b6622a0a454a)
* **Mid-Term Exam**
	1. Mid-term MidTerm  This content is graded
* **Module 5 : Decision Trees and Unstructured Data Analysis**
	1. 5.0 Welcome
		1. [Module Objective](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405bccdb25a4364599bbda4da3e7d7e8e6)
		2. [Module Overview](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40a5fa336480914d0ea1e9df77a0f591e0)
		3. [Learner Poll](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%403d765c1d41d3472e82a77e7eb66340a1)
	2. 5.1 Introduction to Decision Trees Week 5 Assessment  This content is graded
	3. 5.2 Chi-square Automatic Interaction Detector ( CHAID ) Week 5 Assessment  This content is graded
	4. 5.3 Classification and Regression Tree ( CART ) Week 5 Assessment  This content is graded
	5. 5.4 Naive Bayes Classification and Classroom Queries
	6. 5.5 Demo and Exercise : Data Analysis Week 5 Assessment  This content is graded
	7. 5.7 Module 5: Repository of Learning Resources
		1. [Co-create Learning Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4093aeb81ea8e2426f98808b5d49bc3410)
		2. [Recommended Resources](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%405d154a98e054493aa64047642eab72ba)
* Learner: FAQ
	1. Webinar
		1. [Webinar Video](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%408abc6655e0ad4cf0abb5e6c4666c8bd1)
		2. [FAQ](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40cfd92db49e1d4d169af96e594a74c797)
* **Module 6 : Forecasting and Time-Series Analysis**
	1. 6.0 Welcome
		1. [Module Objective](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40e7137f6bcdfb479a9473e0740523629d)
		2. [Module Overview](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%4037fd263e54bd4c33b15bc519afb756de)
		3. [Learner Poll](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/jump_to/block-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40vertical%2Bblock%40494f130c64c4470885d394a33a399713)
	2. 6.1 Forecasting
	3. 6.2 Time Series Analysis
	4. 6.3 Exponential Smoothing Techniques

Week 6 Assessment  This content is graded

* 1. 6.4 Forecasting: Time Series Data

Week 6 Assessment  This content is graded

* 1. 6.5 Auto regressive and Moving average models

Week 6 Assessment  This content is graded

* 1. 6.6 Model Deployment and Classroom queries
	2. 6.7 DWeek 6 Assessment  This content is graded
	3. 6.9 Module 6: Repository of Learning Resources
* **Final Exam**
	1. Exam Final Exam  This content is graded

**Course Tools**

* [Bookmarks](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/bookmarks/)
* [Updates](https://courses.edx.org/courses/course-v1%3AIIMBx%2BQM901x%2B1T2019/course/updates)
* [Upgrade to Verified](https://ecommerce.edx.org/basket/add/?sku=C1E2E6C)

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**Course End**

in 3 months - Aug 22, 2019

After this date, course content will be archived.

**Course Handouts**

[Course Syllabus](https://prod-edxapp.edx-cdn.org/assets/courseware/v1/30e863c01f816291b7a22756fc440f0e/asset-v1%3AIIMBx%2BQM901x%2B1T2019%2Btype%40asset%2Bblock/QM901x_CourseSyllabus.pdf)

[Discussion Forum Guidelines](https://courses.edx.org/asset-v1%3AIIMBx%2BQM901x%2B3T2015%2Btype%40asset%2Bblock/MOOC_Discussion_Forum_Guidelines.pdf)