**Statistical Methods for Decision Making (SMDM)**

# Week 3: Statistical Methods for Decision Making (Hypothesis Testing)

**Mentor Session Duration:** 2 hours/session

**Faculty Name:** Dr. P.K.Viswanathan, Great Lakes Institute of Management, Chennai Areas: Analytics & Operation

# No. of videos: 6

**Total Duration of videos: 2.13 hrs.**

**Pre-requisite**: Please install R before the Mentor learning session

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| **Video No.** | **Video Name** | **Duration of the video** | **Topics Covered** | **Conceptual or Hands-On** |
| 1 | Paste Link([Central Limit](https://olympus.greatlearning.in/courses/6935/pages/central-limit-theorem?module_item_id=217464) [Theorem](https://olympus.greatlearning.in/courses/6935/pages/central-limit-theorem?module_item_id=217464)) | 19:03 | Central Limit Theorem | Conceptual |
| 2 | Paste Link([Hypothesis Testing](https://olympus.greatlearning.in/courses/6935/pages/hypothesis-testing?module_item_id=217465)) | 13:21 | Hypothesis Testing | Conceptual |
| 3 | Paste Link ([Case Study -](https://olympus.greatlearning.in/courses/6935/pages/case-study-hypothesis-testing?module_item_id=217466) [Hypothesis Testing](https://olympus.greatlearning.in/courses/6935/pages/case-study-hypothesis-testing?module_item_id=217466)) | 22:16 | Case Study - Hypothesis Testing | Conceptual |
| 4 | Paste Link ([Examples of](https://olympus.greatlearning.in/courses/6935/pages/examples-of-hypothesis-formulations?module_item_id=217467) [Hypothesis](https://olympus.greatlearning.in/courses/6935/pages/examples-of-hypothesis-formulations?module_item_id=217467) [Formulations](https://olympus.greatlearning.in/courses/6935/pages/examples-of-hypothesis-formulations?module_item_id=217467)) | 18:26 | Examples of Hypothesis Formulations | Conceptual |
| 5 | Paste Link ([Working on R](https://olympus.greatlearning.in/courses/6935/pages/working-on-r?module_item_id=217468)) | 35:24 | Week 3: Working on R | Hands - On |
| 6 | Paste Link ([Week 3: Working](https://olympus.greatlearning.in/courses/6935/pages/week-3-working-on-r-2?module_item_id=217469) [on R-2](https://olympus.greatlearning.in/courses/6935/pages/week-3-working-on-r-2?module_item_id=217469)) | 19:48 | Week 3: Working on R-2 | Hands - On |

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| **Practice Material for learners** | 1. Paste Link [HIP Star dataset Question](https://olympus.greatlearning.in/courses/6935/files/384662?module_item_id=217495)) 2. Paste Link ([HIP star](https://olympus.greatlearning.in/courses/6935/files/384663?module_item_id=217496)) |
| **Practice Material to be downloaded before the mentoring session** | 1. Paste Link ([Titan Case Study Practice Assignment](https://olympus.greatlearning.in/courses/6935/files/384678?module_item_id=217499)) 2. Paste Link ([Titan Case Study.csv](https://olympus.greatlearning.in/courses/6935/files/384664?module_item_id=217501)) |