**DAILY ASSESSMENT FORMAT**

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| **Date:** | **16/06/2020** | **Name:** | **PRIYA P RAO** |
| **Course:** | **Statistical Learning** | **USN:** | **4AL18EC041** |
| **Topic:** | * + **Case study on Statistics and Probability theory**   + **Solution for case study** | **Semester & Section:** | **4th sem ‘A’ section.** |
| **Github Repository:** | **Priya-Rao** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **C:\Users\Pawan\Desktop\SS.PNG**  **C:\Users\Pawan\Desktop\SSS.PNG** |
| **In today’s session I have learnt about:**  **Case study on Statistics and Probability theory:**  **There were different questions like:**   1. **What is the mode for work?** 2. **Which of the three attributes has the highest mean satisfactory score? / Lowest mean satisfactory score?** 3. **Find out the coefficients of variation for work, pay and promotions.** 4. **In the Histogram for promotion, which class has the highest concentration?** 5. **Is the shape of the box plot for work is skewed? If so, which direction?** 6. **How many points are outliers in promotion box plot?** 7. **If all the box plot for work are drawn for all the hospitals, which hospital type has the best median value?** 8. **If the box plots for work, pay, promotion are drawn in the same space, how many outliers are there for promotion and pay?**   **Solution for case study:**  **The solutions for the same questions were discussed in this section.** |

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| **Date:** | **16/06/2020** | **Name:** | **PRIYA P RAO** |
| **Course:** | **JAVA** | **USN:** | **4AL18EC041** |
| **Semester & Section:** | **4th sem ‘A’ section** | | |
| **Github Repository:** | **Priya-Rao** |  |  |

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| **AFTERNOON SESSION DETAILS** |
| **Image of session**  **C:\Users\Pawan\Desktop\dasssss.PNG**  C:\Users\Pawan\Desktop\dfsfs.PNG |
| **In today’s session I have learnt about:**   * **Natural Ordering : Comparable is used to provide natural order of sorting to objects e.g. numeric order is natural order for numbers, alphabetic order is natural order for String and chronological order is natural for dates. Similarly when you define your own objects e.g. Person, sorting it on name sounds natural.** * **Queues : The queue collection is used to hold the elements about to be processed and provides various operations like the insertion, removal etc.** * **Using Iterators: Obtain an iterator to the start of the collection by calling the collection's iterator( ) method.** * **Set up a loop that makes a call to hasNext( ). Have the loop iterate as long as hasNext( ) returns true.** * **Within the loop, obtain each element by calling next( ).** * **Implementing Iterable : An object that implements this interface allows it to be the target of the "for-each" statement. This for-each loop is used for iterating over arrays and collections.** * **Deciding Which Collection to Use : Always start with ArrayList and HashSet and HashMap (i.e. not LinkedList or TreeMap). Type declarations should always be an interface (i.e. List, Set, Map) so if a profiler or code review proves otherwise you can change the implementation without breaking anything** * **Complex Data Structures : Data Structures are used to store and manage data in an efficient and organised way for faster and easy access and modification of Data. Some of the basic data structures are Arrays, LinkedList, Stacks, Queues etc.** |