Session Plan Template

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| Course Name: | Forecasting in R, NHS-R |
| Session Type: | Lecture, computer labs |
| Level | Executive |
| Participant’s Profile & Class Size | Basic knowledge in forecasting and R, expert in NHS context  30-40 students |
| Date, Time & Room | 22-29 June 2020, online in MS Teams |
| Learning Outcome  Of module | 1. To obtain an understanding of common statistical methods used in forecasting.  2. To develop the computer skills required to forecast a given time series data;  3. To gain insights into the problems of implementing and operating large scale forecasting systems for use in practice. |

Pre-workshop Learning Activities or Resources (Work At Home/Outside the Class)

1. Identify predictor variables related to decisions in your organisation

(Link to Google Doc.)

Session 1: Introduction to forecasting

Learning outcome:

1. Identify what to forecast in any given situation

2. Explain factors affecting forecastability

3. Identify ways to present forecast

4. Identify elements of forecasting process

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| **Time**  **(from – to)** | **Duration**  **(Minutes)** | **Content** | **What the students will be doing** | **What you will be doing** | **How learning will be assessed** | **Materials / Resources needed** | **Logistics** |
| 100:00-10:20 | 20 | Opening, setting goals | Discussion, writing decisions, identify what to forecast | facilitating | Setting goals, filling in the Google Doc. | Google Doc. | MS teams, Google Doc. |
| 10:20-10:26 | 6 | From decision making to forecasting | listening | lecturing | Answer oral questions | Lecture notes | MS teams, Learning Central |
| 10:26-10:32 | 6 | What can be forecasted? | listening | lecturing | Poll | Mentimeter | Mentimeter |
| 10:32-10:38 | 6 | Forecasting process | lecturing | listening | Answer oral questions | Lecture notes | MS teams, Learning Central |
| 10:38-10:44 | 5 | Time series data and model | listening | lecturing | Answer questions | Lecture notes | MS teams, Learning Central |
| 10:44-10:50 | 5 | How to present forecast? | Answering the poll | lecturing | Correct answer in the poll | Mentimeter | MS teams ,Mentimeter |
| 10:50-11:00 | 8 | Forecasting process review | Write three main important thing they learnt | facilitate | Write what they learnt in padlet | Padlet | MS teams ,Padlet |

Post-workshop activity