**Course outline**

|  |  |  |  |
| --- | --- | --- | --- |
| **Topic** | **Duration** | **End** |  |
| **Objective & Expectations** | 5 min | 7.05 | JJ |
| **Introduction** | 5 min | 7.10 | JJ |
| **(Basic) model taxonomy** | 8 min | 7.18 | JJ |
| **Simple Markov cohort model** | 25 min | 7.45 | JJ |
| ***Exercise 1: Simple Markov cohort model*** | *15 min*  *(10 min practice, 5 min answer)* | *8.00* | JJ |
| **Simple Markov cohort model – Incorporating PSA** | 20 min | 8.20 | JJ |
| ***Exercise 2: Incorporating PSA*** | *10 min*  *(5 min practice, 5 min answer)* | *8.30* | JJ |
| **Break** | 10 min | 8.40 |  |
| **Simple Markov cohort model with hesim** | 20 min | 9.00 | DI |
| ***Exercise 3: Simple Markov cohort model with hesim*** | *15 min*  *(10 min practice, 5 min answer)* | *9.15* | DI |
| **Semi-Markov multi-state model** | 15 min | 9.30 | DI |
| ***Exercise 4: Semi-Markov multi-state model*** | *10 min practice* | 9.40 | DI |
| **Partitioned survival model** | 5 min | 9.45 | DI |
| **Cost-effectiveness analysis** | 10 min | 9.55 | DI |
| **Summary** | 5 min | 10.00 | DI |