**Data Science - Identifying, combining and analysing health data sets**

**Course structure**

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| **Week** | **Lecture Topic** |
| 1 | Use of routine data in HTA |
| 2 | Information Governance |
| 3 | Disclosure Control |
| 4 | Data Management* Data quality
* Sequence variables
* Healthcare episodes
 |
| 5 | Data Manipulation Combining/linking datasets |
| *6* | *Revision Week* |
| 7 | Missing Data (costs and outcomes) |
| 8 | Working with linked data* Back-casting method
* Identifying comorbidities

Calculating and analysing rates |
| 9 | Advanced survival analysis* Relative survival
* Competing risk
 |
| 10 | Time series analysis |
| 11 | Comparative effectiveness using observational data |