

**First Level University Master in Business Intelligence and Data Science**

| <i>Courses</i>  | <i>Software</i> | <i>No hours</i> |
|---|-----------------|-----------------|
| <b>Business Intelligence software and programming methodologies</b> | SAS             | 60              |
| <b>Data management and unstructured data processing</b>             | SAS             | 28              |
| <b>Data collection and data quality</b>                             | SAS             | 12              |
| <b>Statistics for BI</b>  | SAS             | 16              |
| <b>Mining I – Descriptive statistics</b>                            | R               | 24              |
| <b>Mining II – Machine learning and text mining</b>                 | Knime           | 40              |
| <b>Mining III – Synthesis of statistical information</b>            | SAS             | 24              |
| <b>Models and structural equations models</b>                       | SAS,<br>Python  | 30              |
| <b>Simulation techniques</b>  | SAS             | 24              |
| <b>Interpretation and communication of statistical relations</b>    | SAS,<br>Python  | 52              |