

Monday 21 October	Tuesday 22 October	Wednesday 23 October	Thursday 24 October	Friday 25 October
<p>9:00 – 10:00 (<i>Lecture</i>) GSRDC</p> <p>Module presentation & introduction to multidimensional methods</p> <p>10:00 – 12:00 (<i>Lecture</i>) Principal component analysis: methods and applications</p> <p>Mélanie Bertin</p>	<p>9:00 – 9:15 : morning quiz</p> <p>9:15 – 11:00 (<i>Lecture</i>) GSRDC Correspondence analysis (CA) and multiple correspondence analysis (MCA)</p> <p>11:00 – 12:00 (exercises) Interpreting the results of a correspondence analysis</p> <p>Mélanie Bertin</p>	<p>9:00 – 9:15 : morning quiz</p> <p>9: 15– 10: 30 (<i>Lecture</i>) GSRDC Clustering: k-means and hierarchical clustering</p> <p>10:30 – 12:00 Sequence analysis</p> <p>Mélanie Bertin/ Juste Goungounga</p>	<p>9:00 – 9:15 : morning quiz</p> <p>9: 15– 12:00 (<i>Lecture + group work</i>) GSRDC</p> <p>Latent class analysis/SEM</p> <p>Mélanie Bertin/ Juste Goungounga</p>	<p>9:00– 10: 00 GSRDC Individual Exam</p> <p>Mélanie Bertin</p> <p>10:30 – 12:00 (<i>LCA</i>) Other statistical approaches to take into account large amount of data.</p> <p>Mélanie Bertin</p>
12:00 Lunch	12:00 Lunch	12:00 Lunch	12:00 Lunch	12:00 Lunch
<p>1:00 – 4:00 GSRDC Computer lab – R PCA analyses</p> <p>Mélanie Bertin/Juste Goungounga -EHESP</p> <p><i>Homework : Interpreting the results of a PCA</i></p>	<p>1:00 –3 :00 GSRDC Computer lab – R MCA analyses</p> <p>3 :00 -4 :00 : Presentation of the Group project</p> <p>Mélanie Bertin/ Juste Goungounga</p>	<p>1:00 – 3 :00 GSRDC Computer lab – R Clustering analyses</p> <p>3:00 – 4:00 Group project</p> <p>Mélanie Bertin/ Juste Goungounga</p>	<p>1:00 – 3:00 <i>An example of multidimensional analyses to characterize environmental health disparities'</i> (<i>Conference</i>) GSRDC</p> <p>Cindy Padilla -EHESP</p> <p>3:00 – 4:00 Group project</p> <p>Mélanie Bertin/TA</p>	<p>1:00 – 2:30 (visio conference) Complementarity between unsupervised analyses and supervised analyses– Research examples</p> <p>Maxime Raffray - EHESP</p> <p>2:30-4:00 Group Project GSRDC</p> <p>Mélanie Bertin</p>

Please note that some small changes could occur