

Coordinator: Prof. Mélanie Bertin, EHESP

Location: EHESP Campus 20 Avenue George Sand, La Plaine St Denis Room

Monday 24 October	Tuesday 25 October	Wednesday 26 October	Thursday 27 October	Friday 28 October
<p>9:30 – 11:00 (<i>Lecture</i>) <b>Amphi</b></p> <p>Module presentation &amp; introduction to multidimensional methods</p> <p>10:00 – 12:00 (<i>Lecture</i>) Principal component analysis: methods and applications</p> <p><b>Mélanie Bertin</b></p>	<p>9:00 – 11:00 (<i>Lecture</i>) <b>Amphi</b></p> <p>Correspondence analysis (CA) and multiple correspondence analysis (MCA)</p> <p>11:00 – 12:00 (exercises) Interpreting the results of a correspondence analysis</p> <p><b>Mélanie Bertin</b></p>	<p>9:00– 10: 30 (<i>Lecture</i>) <b>Amphi</b></p> <p>Clustering: k-means and hierarchical clustering</p> <p>11:00 – 12:00 (exercises) Interpreting the results of a cluster analysis</p> <p><b>Mélanie Bertin</b></p>	<p>9:00– 10: 30 (<i>LCA</i>) <b>Amphi</b></p> <p>Other statistical approaches to take into account large amount of data.</p> <p><b>Mélanie Bertin</b></p> <p>10:30 – 12:00 (<i>Conference</i>) <i>An example of multidimensional analyses to characterize environmental health disparities'</i></p> <p><b>Cindy Padilla</b></p>	<p>9:00– 10: 30 (<i>LCA</i>) <b>GSRDC</b></p> <p>Other statistical approaches to take into account large amount of data.</p> <p><b>Mélanie Bertin</b></p> <p>10:30 – 12:00 (<i>Conference</i>) Complementarity between unsupervised analyses and supervised analyses– Research examples</p> <p><b>Maxime Raffray - EHESP</b></p>
<b>12:00 Lunch</b>	<b>12:00 Lunch</b>	<b>12:00 Lunch</b>	<b>12:00 Lunch</b>	<b>12:00 Lunch</b>
<p>1:00 – 4:00 (<i>Lecture and exercises</i>) <b>Amphi</b></p> <p>Principal component analysis: methods and applications</p> <p>Interpreting the results of a PCA</p> <p><b>Mélanie Bertin</b></p>	<p>1:00 –3 :30 <b>409 &amp; 410</b></p> <p>Computer lab – R PCA analyses</p> <p>3 :30 -4 :00 : Presentation of the Group project</p> <p><b>Mélanie Bertin/TA</b></p>	<p>1:00 – 3 :00 <b>409 &amp; 410</b></p> <p>Computer lab – R MCA analyses</p> <p>3:00 – 4:00 Group project</p> <p><b>Mélanie Bertin/TA</b></p>	<p>1:00 – 3:00 <b>409 &amp; 410</b></p> <p>Computer lab – R Clustering analyses</p> <p>3:00 – 4:00 Group project</p> <p><b>Mélanie Bertin/TA –</b></p>	<p>1:00 – 3:45 Group Project <b>GSRDC</b></p> <p><b>Mélanie Bertin/TA</b></p> <p>3:45-4 :00 Module evaluation (satisfaction survey)</p>

*Please note that some small changes could occur*