

Coordinator: Prof. Séverine DEGUEN, EHESP

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

Monday 5 November	Tuesday 6 November	Wednesday 7 November	Thursday 8 November	Friday 9 November
9:00– 11:00 ( <i>Lecture</i> ) Introduction to the module Multivariate Poisson regression Over dispersion  <b>Séverine Deguen - EHESP</b>  11 :00 – 12 :00 ( <i>exercices</i> ) Interpreting the results  <b>Séverine Deguen &amp; Cindy Padilla -EHESP</b>	9:00– 11:00 ( <i>Lecture</i> ) Multivariate negative binomial regression  <b>Séverine Deguen</b>  11:00– 12:00 ( <i>Conf</i> ) <i>'Use of geographic indicators of healthcare, environment and socioeconomic factors to characterize environmental health disparities'</i>  <b>Cindy Padilla</b>	9:00 – 10:00 ( <i>Lecture</i> ) Overall introduction to multidimensional methods for quantitative, qualitative and both qualitative and quantitative variables  <b>Séverine Deguen</b>  10:00 – 12:00 ( <i>Lecture</i> ) Focus on quantitative variables : Principal Component Analysis Collinearity in regression model  <b>Séverine Deguen</b>	9:00– 10:30 ( <i>Lecture</i> ) Cluster analysis: general principle, dendogram representation and interpretation, main characteristics of classes  <b>Séverine Deguen</b>  10:30– 12:00 ( <i>Conf</i> ) <i>'Synthetic homogeneous 'A statistical procedure to create a neighborhood socioeconomic index for health inequalities analysis.'</i> <b>Benoît Lalloué</b>	9:00 – 10:30 ( <i>Conf</i> ) <i>'Neighborhoods' using zone design algorithms to explore relationships between asthma and deprivation in Strasbourg, France'</i> <b>Wahida Kihal</b>  10:30-12:00 ( <i>Conf</i> ) <i>'Perception of the air quality in Lyon metropolitaen area</i>  <b>Séverine Deguen</b>
<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>
1:00 – 4:00 Computer lab – STATA Multivariate regression <b>Séverine Deguen &amp; Cindy Padilla</b>	1:00 – 4:00 Computer lab – STATA Multivariate regression <b>Séverine Deguen &amp; Cindy Padilla</b>  4:00 – 5:00 Optional session – Homework 1 <b>Séverine Deguen</b>	1:00 – 2:30 ( <i>exercices</i> ) Interpreting the results of a PCA  2:30 – 5:00 Computer lab – STATA PCA analysis  <b>Séverine Deguen &amp; Wahida Kihal - CNRS</b>	1:00 – 2:30: ( <i>exercices</i> ) Interpreting the results of a cluster analysis  2:30 – 4:00 Computer lab – STATA Cluster analysis  4:00 – 5:00 Optional session – Homework 2 <b>Séverine Deguen &amp; Wahida Kihal</b>	1:00 – 4:00 Computer lab – STATA Regression and PCA <b>Séverine Deguen &amp; Wahida Kihal</b>

*Please note that some small changes could occur*