SAS

Course title - Intitulé du cours	SAS
Level / Semester - Niveau /semestre	M2 / S1
School - Composante	Ecole d'Economie de Toulouse
Teacher - Enseignant responsable	POPOFF SACHA - CABROL ANAEL
Other teacher(s) - Autre(s) enseignant(s)	
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Lecture Hours - Volume Horaire CM	
TA Hours - Volume horaire TD	
TP Hours - Volume horaire TP	
Course Language - Langue du cours	Anglais
TA and/or TP Language - Langue des TD et/ou TP	Anglais

Teaching staff contacts - Coordonnées de l'équipe pédagogique :

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Contact only by email

Course's Objectives - Objectifs du cours :

This introductory course is for SAS software users who perform statistical analyses using SAS/STAT software. The focus is on t tests, ANOVA, and linear regression, and includes a brief introduction to logistic regression. This course (or equivalent knowledge) is a prerequisite to many of the courses in the statistical analysis curriculum. Learn how to : - generate descriptive statistics and explore data with graphs - perform analysis of variance and apply multiple comparison techniques - perform linear regression and assess the assumption - use regression model selection techniques to aid in the choice of predictor variables in multiple regression - use diagnostic statistics to assess statistical assumptions and identify potential outliers in multiple regression - use chi-square statistics to detect associations among categorical variables - fit a multiple logistic regression model - score new data using developed models.

Prerequisites - Pré requis :

SAS Programming level 1 and have completed the equivalent of an undergraduate course in statistics covering p-values, hypothesis testing, analysis of variance, and regression

Practical information about the sessions - Modalités pratiques de gestion du cours :

Your own computer is allowed with SAS already installed but you will have university's computers available. All course supports are on SAS e-learning, please bring headphones.

Grading system - Modalités d'évaluation :

Preparation for the SAS certification : Statistics 1 Introduction to ANOVA, regression and logistic regression No graduation but project to prepare the certification 3 courses/TP : 29/09, 13/10, 17/11

Bibliography/references - Bibliographie/références :

SAS e-learning (https://support.sas.com/edu) : - Programming SAS fundamentals level 1 - Statistics level 1 : introduction to ANOVA and linear regression

Session planning - Planification des séances :

Theoretical courses on SAS e-learning following by practical exercises