



WORKSHOPS

Nov. 13, 2:30 - 4:00pm

Nov. 20, 2:30 - 4:00pm

Room 121, Social Sciences 2

with Professor Michael Fligner

Emeritus Professor of Statistics at Ohio State University
Adjunct Professor at UC Santa Cruz

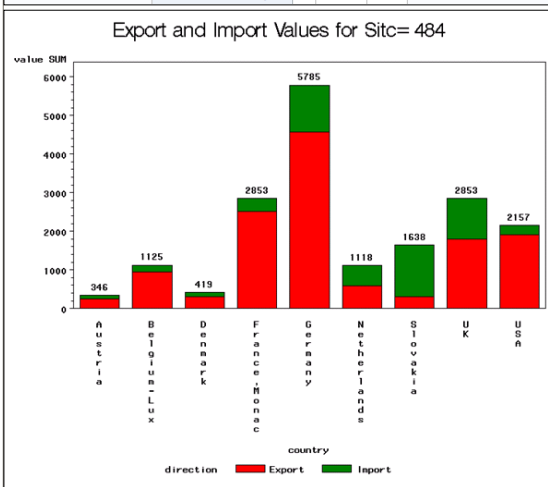


The FREQ Procedure

Frequency Col Pct	Table of agecat by Race					
	Race					
agecat(Age categorical, respondent)	African American	Asian/Pacific Islander	Caucasian	Hispanic	Other	Total
Under 18	0 0.00	9 4.21	25 1.91	9 2.84	10 3.47	53
18 to 24	10 20.00	46 21.60	159 11.93	70 22.08	58 20.14	340
25 to 34	12 24.00	64 29.91	324 24.77	120 37.85	85 29.51	605
35 to 44	12 24.00	59 27.57	232 17.74	74 23.34	70 24.31	447
45 to 54	9 18.00	21 9.81	232 17.74	26 8.20	34 11.81	322
55 to 64	6 12.00	8 3.74	197 15.06	15 4.73	21 7.29	247
65 and older	1 2.00	7 3.27	142 10.86	3 0.95	10 3.47	163
Total	50	214	1308	317	288	2177

Frequency Missing = 285

Statistic	DF	Value	Prob
Chi-Square	24	183.4748	<.0001
Likelihood Ratio Chi-Square	24	202.5352	<.0001



The UCSC Center for Statistical Analysis in the Social Sciences offers this two session seminar on SAS. It is intended to provide participants with a sufficient overview and understanding of SAS basics to begin writing programs on their own.

Professor Fligner will discuss how to import, modify, and merge datasets with SAS. Basic programming in SAS will be covered, including how to use functions and conditional logic in the DATA step (no prior programming experience required!). Also, an introduction to some SAS procedures for data summary and basic statistical methods will be given.

Information for the first lecture is available at

<http://csass.ucsc.edu/self-study%20courses/intro-sas.html>

- **Nov 13:** Use of SAS for data management, presentation and analysis. Overview of program syntax, use of the SET, SORT, BY and WHERE statements. ODS graphics, PRINT and MEANS procedures, the output delivery system. Beginning computations and functions in SAS and conditional logic. Displaying data in two-way tables with the TABULATE and FREQ procedures.
- **Nov 20:** Continuation of computations and functions in SAS and conditional logic. Displaying data with the REPORT and BOXPLOT procedures. Common syntax for TTEST, ANOVA and GLM procedures. Managing and storing SAS data sets, merging and transposing data sets, system and user formats, importing data into SAS from common data base management systems, linking to Excel and Access, and SQL.

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Questions? Please email jwarshaw@ucsc.edu