

Distribution Calculator

Distribution:

F

Numerator Degrees of Freedom

10

Denominator Degrees of Freedom

10

Model:

P(X > a)

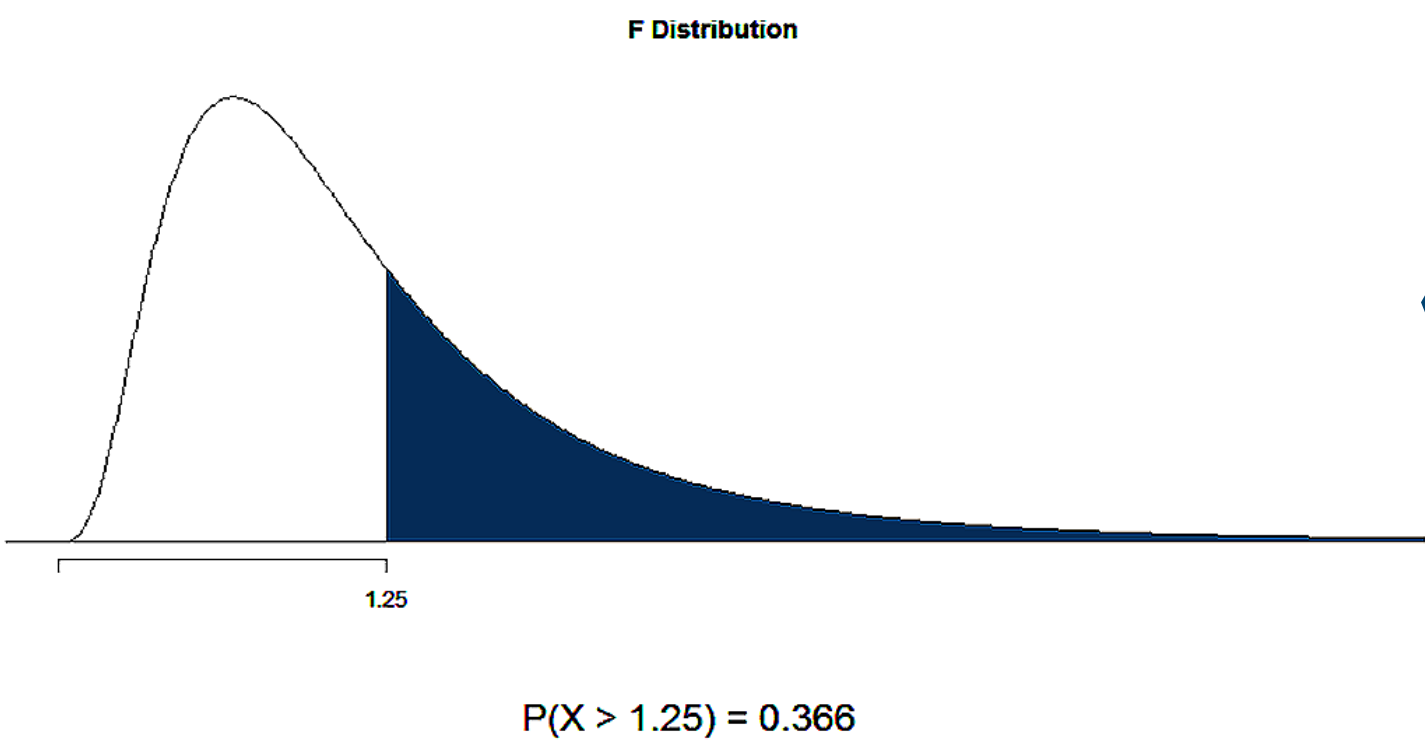
Find Area:

Upper Tail

a

1.25

MSCS MU Statistics Consulting



STATISTICAL
CONSULTING AND
TRAINING CENTER
(SCTC)

SUMMARY

SCTC provides statistical consulting to Marquette and those outside of Marquette’s community, and conducts training sessions to disperse knowledge of modern statistical tools.

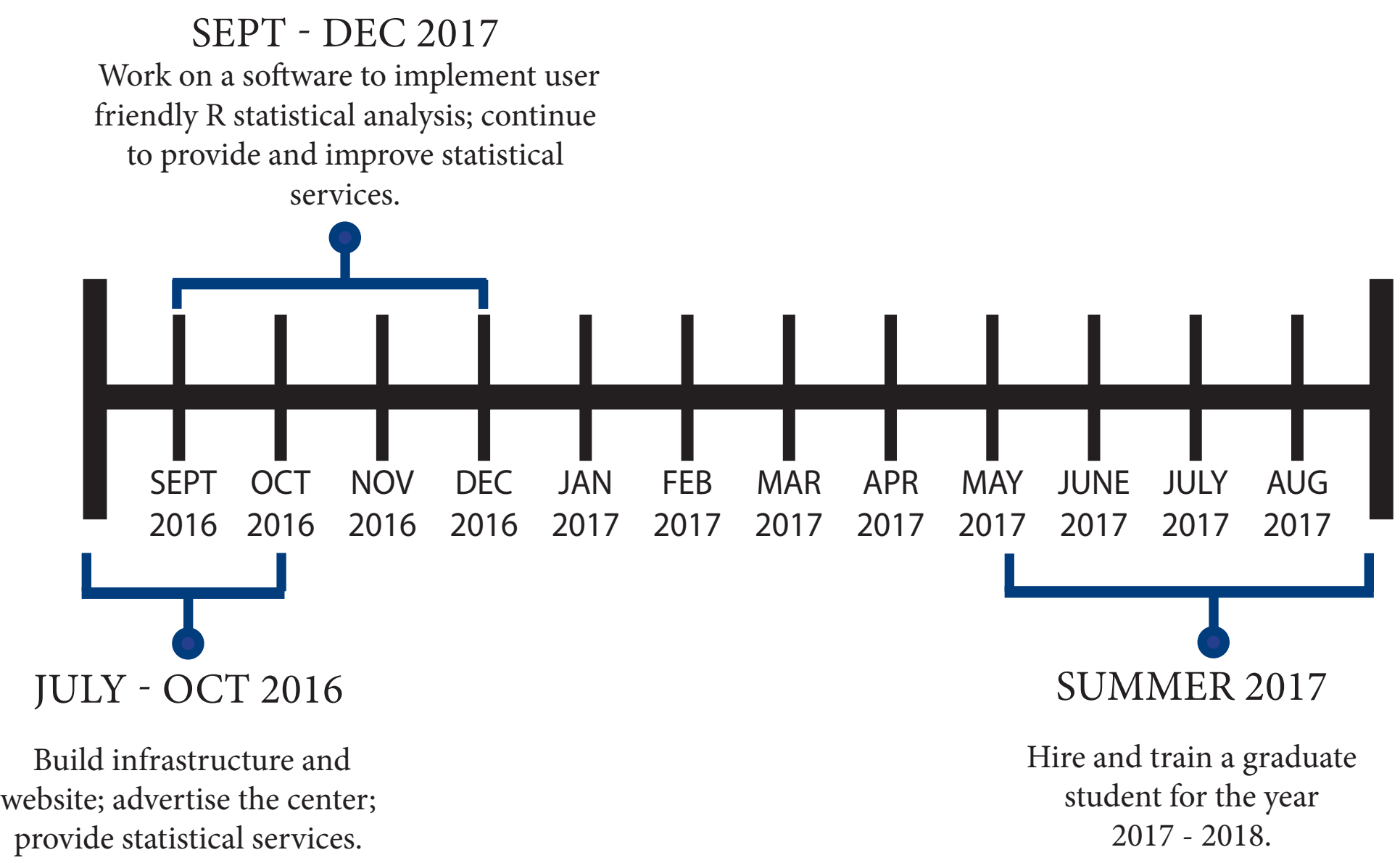
DESCRIPTION

The Statistical Consulting and Training Center (SCTC) provides complete statistical services and statistical expertise to the students, industrial community, and the researchers of non-statistical fields. Its main purpose is to broaden the collaboration between the statistical and non-statistical researchers, and to create a statistical hub for private sectors who may seek expert opinion on modern statistical analysis tools. For the statistical services, the center works with the clients on design of experiments, perform statistical analyses once the data is collected, and produce reports interpreting the statistical results. In addition, it conducts lecture series on cutting edge statistical tools for the private sectors and for the students and faculty members of the Marquette University.

Scan QR Code for

marquette.edu/mscs/sctc.shtml

MILESTONES



ABOUT OUR TEAM

Dr. Naveen K. Bansal, PI
Dr. Mehdi Maadooliat, Co-PI
Sarthak Dabas, Graduate Research Assistant

Naveen K Bansal and Mehdi Maadooliat are applied statisticians with research experience in cutting edge statistical methodologies. The use of statistical data analysis has become an important learning tool in all disciplines ranging from literature to engineering. Thus the collaboration between statisticians and experts from other disciplines is very important. It benefits statisticians to understand the complexity of real world problems, and broaden their research to solve such problems. As a consequence, it gives us a motivation to develop statistical methodologies to solve useful problems than the problems that are of theoretical interest only.

BEYOND BOUNDARIES

Benefits of creating the center include increased collaboration between statisticians and non-statisticians, students support for the statistics students, and increased visibility of the Marquette University within the local business community as a place of statistical experts and students recruits. The proposed project supports the university’s strategic goals of research in action and enhancement of organizational effectiveness.

Statisticians play an important role in research of other disciplines. The current trend of research in all disciplines involve data analyses using the statistical tools that are not straight forward for non-statisticians to perform. Sometimes new methodologies are needed specific to the problem at hand that are not built into any statistical software. Many times non-statisticians may not know a proper statistical methodology and design of experiments appropriate the problem they are studying. The statistical consulting and training center is a place where researchers from all disciplines can get consulting from experts whose primary research is in statistics. We provide help in designing experiments, performing power analysis, and performing appropriate data analysis. It also helps us in shaping our own research to the problems relevant to the real world.