***This old UMB job description was created between 2000 and 2014 and is being provided as a template or guide in the preparation of a current job description. The essential functions are general in nature and may not accurately depict the duties of a specific unit. Managers are encourage to update and provide specific duties that are applicable to work being performed in the unit.***

Job Title: **Statistician**

Job Family: Research Sub Family: Analysis - Data

**Job Summary:**

Engage in the application of statistical theory and methods to collect, organize, interpret, and summarize numerical data to provide usable information. Conduct complex statistical research and analysis and compile and interpret statistical records.

**Essential Functions:**

* Determine methods of statistical analysis and apply techniques to determine means of measurement. Ensure validity and accuracy of data and compliance with quality control requirements.
* Design and remodel quantitative research projects, analyze findings, develop conclusions, write reports, prepare presentations of relevant findings and conclusions, and recommend appropriate actions by the School/department.
* Perform required data extraction through programming and report on progress of programs, studies, and/or projects.
* Perform simple and sophisticated data searches and exchanges among micro, mini, and mainframe-based statistical software applications to generate standard and customized reports using statistical applications.
* Summarize and prepare manuscripts, presentations, and proposals by providing and presenting statistical information as tables, charts, or graphs.
* Develop and formulate best practices and protocols in data collection, warehousing, analysis, and reporting including developing special forms and/or formats for analyzing and presenting data.
* Performs other duties as assigned.

**Minimum Qualifications**

Education: Masters in statistics or mathematics

Experience: Two (2) years of statistical analysis experience a analyzing studies using a range of statistical techniques in a related environment.

OR

Masters degree in epidemiology or public health and three (3) years of statistical analysis experience analyzing studies using a range of statistical techniques in a related environment.

Supervisory:

Licensure/Certification:

Other:

**Knowledge, Skills, and Abilities**

*Managers may provide prefered knowledge, skills, and abilities as necessary.*

Job Code: E3309F

SOC Code: 152041 IPEDS: Computer

EEO6 Code: Professional State Code: 9757005

USM eCode: E30334 AAP Code: 3A