Course Description

This course covers the application of data-oriented analysis techniques for business intelligence and organizational decision-making. Students will examine a range of tools to enhance the managerial decision making process such as pivot tables, descriptive statistics, statistical process control for business process improvement, and data models to predict future trends.

Prerequisites: ADMG 501, ADMG 545

Learner Outcomes

Demonstrate an understanding of fundamental statistical terms and concepts.

Identify and apply proper statistical techniques.

Use descriptive measures and tools to describe and summarize sample and population data.

Properly apply probability distributions and theory to decision-making.
Properly apply and explain correlation analysis in decision-making.

Properly apply and explain regression analysis in decision-making.

*Specific course faculty and materials vary by quarter. Current information can be found on the CWU SAFARI System.*
*ITAM classes are often offered in online, hybrid, or traditional format. Visit the CWU SAFARI system for complete details.*

**University Policy on Academic Integrity**

Academic Integrity is a standard set for this course. Students are expected to complete all of their coursework and assignments using their original words and ideas and will properly cite the words and ideas of others. Students are also expected to be honest in their interactions with the instructor. A student found to have not upheld these expectations is subject to failing this course and shall be subject to disciplinary action or sanction. The University catalog defines the term “academic dishonesty” in all its forms including, but not limited to:

- cheating on tests;
- copying from another student’s test paper;
- using materials during a test not authorized by the person giving the test;
- collaboration with any other person during a test without authority;
- knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of an un-administered test or information about an un-administered test;
- bribing any other person to obtain an un-administered test or information about an un-administered test; substitution for another student or permitting any other person to substitute for oneself to take a test; plagiarism” which shall mean the appropriation of any other person’s work and the unacknowledged incorporation of that work in one’s own work offered for credit;
- "collusion" which shall mean the unauthorized collaboration with any other person in preparing work offered for credit.

**University Policy on Special Needs**

If you have a disability that may prevent you from meeting course requirements, contact the instructor immediately to file a Student Disability Statement and to develop an Accommodation Plan. Course requirements will not be waived but reasonable accommodations will be developed to help you meet the requirements. You are expected to work with the instructor and the CWU Disability Support Specialist to develop and implement a reasonable Accommodation Plan. For contact information at Center for Disability Services (CDS) please visit: [http://www.cwu.edu/~dss/cms/](http://www.cwu.edu/~dss/cms/).
Central Washington University is a community of scholars and writers who are supported by the University Writing Center. Peer consultants guide students of all disciplines and all levels toward communication that will be effective in a global and diverse environment.

http://www.cwu.edu/learning-commons/university-writing-center