

ACCT 6340 U01
Accounting Data Analytics
Fall 2023

Instructor: Dr. Jack M. Cathey
Class: 2:00-4:45 Wednesday, Dubois Center 504
Office Hours: 4:45-5:30 Wednesday, others by appointment
Office: 259A Friday (Main Campus)
E-mail: jmcathey@uncc.edu
Phone: (704) 687-7690 (Campus)

Course Materials & Website: Data Analytics for Accounting (3rd Edition) with Connect (Loose leaf) by Vernon Richardson, Katie Terrell and Ryan Teeter. ISBN: 9781264457328. All additional course materials will be posted in Canvas. I have ordered this book via the UNC Charlotte Campus Bookstore. If you purchase it via other means make sure that the get the correct edition (the 3rd) and that you get Connect access.

Course Description: ACCT 6340. An introduction to tools and techniques used to gain insight from accounting data. Students will focus primarily on descriptive and diagnostic analytics, the ETL process, and working with data stored in relational databases.

Course Objective: Technologies to create, store, and analyze data have evolved to the point accounting professionals will be expected to be analytically competent. In some roles this means you will be working with analytics-focused professionals to design and use analytics tools to support decision making. In other roles, you will be using these tools yourself to make or assist in making decisions. As a result, familiarity with the common tools and analytics techniques are the baseline for competence going forward.

Performance Evaluation:

Class Projects	90	percent
Lab Assignments	<u>10</u>	
Total	<u>100</u>	

Final grades will be based on total points earned. Generally, a 10-point scale will be used. You must complete all of the assigned projects to earn a grade of "A".

Class Policies:

Attendance and Participation: Your attendance and participation are important elements of the learning process. Please arrange your schedule to be at class on time each day we meet. Being present for the full class, from the start to the end is important. Specifically, arriving late or leaving early, is not acceptable. If you are unable to attend a class please let me know in advance. Students who do not regularly attend will have their semester grade lowered.

College and University Policies

Academic Integrity: All students are required to read and abide by the Code of Student Academic Integrity. Violations of the Code of Student Academic Integrity, including plagiarism, will result in disciplinary action as provided in the Code. Definitions and examples of plagiarism are set forth in the Code. The Code is available from the Dean of Students Office or <http://legal.uncc.edu/policies/up-407> .

Disability Accommodations: UNC Charlotte is committed to access to education. If you have a disability and need academic accommodations, please provide a letter of accommodation from Disability Services early in the semester. For more information on accommodations, contact the Office of Disability Services at 704-687-0040 or visit their office in Fretwell 230.

Religious Accommodations: UNC Charlotte provides reasonable accommodations, including a minimum of two excused absences each academic year, for religious observances required by a student's religious practice or belief. Such reasonable accommodations must be requested in accordance with the procedures in this Policy, and include the opportunity for the student to make up any tests or other work missed due to an excused absence for a religious observance. Students wishing to request a religious accommodation may refer to the information found at <http://legal.uncc.edu/policies/ps-134.html>. It is the obligation of students to provide faculty with reasonable notice of the dates of religious observances on which they will be absent by submitting a [Request for Religious Accommodation Form](#) to their instructor prior to the census date for enrollment for a given semester (typically the 10th day of enrollment).

Belk College Statement on Diversity: The Belk College of Business strives to create an inclusive academic climate in which the dignity of all individuals is respected and maintained. Therefore, we create diversity that includes, but is not limited to ability/disability, age, culture, ethnicity, gender, language, race,

religion, sexual orientation, and socio-economic status.

Title IX Reporting Obligations

UNC Charlotte is committed to providing an environment free of all forms of discrimination and sexual harassment, including sexual assault, domestic violence, dating violence, and stalking. If you (or someone you know) has experienced or experiences any of these incidents, know that you are not alone. UNC Charlotte has staff members trained to support you in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, helping with legal protective orders, and more.

Please be aware that many UNC Charlotte employees, including all faculty members, are required reporters. **This means that if you tell me about a situation involving sexual harassment, sexual assault, dating violence, domestic violence, or stalking, I must report the information to the Title IX Coordinator.** Although I have to report the situation, you will still have options about how your case will be handled, including whether or not you wish to pursue a formal complaint. Our goal is to make sure you are aware of the range of options available to you and have access to the resources you need.

If you wish to speak to someone confidentially, you can contact any of the following on-campus resources, who are not required to report the incident: (1) University Counseling Center (counselingcenter.uncc.edu, 7-0311); (2) Student Health Center (studenthealth.uncc.edu, 7-7400); or (3) Center for Wellness Promotion (wellness.uncc.edu, 7-7407). Additional information about your options is also available at titleix.uncc.edu under the "Students" tab.

Course Schedule

(TENTATIVE)

Date	Wk	Ch	Topic
08/23	1	1	Introduction to Accounting Data Analytics
08/30	2	2	Mastering the Data - Part 1 - File Types & Data Wrangling
09/06	3	2	Mastering the Data - Part 2 - Joining Data
09/13	4	2	Mastering the Data - Part 3 - SQL
09/20	5	2	ETL Tool Wrap Up - Beyond Excel
09/27	6	3	Performing a Test Plan and Analysis/EDA
10/04	7	4	Data Visualization and Tableau
10/11	8	5	Enterprise Data
10/18			No Class
10/25	9	6	Audit Analytics
11/01	10	7	Managerial Analytics
11/08	11	8	Financial Statement Analytics
11/15	12	9	Tax Analytics
11/22	13		No Class - Thanksgiving Break
11/29	14		ESG and LLM
12/06	15	10 & 11	Comprehensive Projects
12/13			Exam Week