



DAT-281: Project in Data Analytics

Syllabus | Spring 2021 | Sec: NC01
Online, Synchronous

instructor:	Eric C. Darsow CCAC North CIT & Data Analytics Faculty, Instructor
office Hours:	Mon-Wed: 5-5:45pm https://ccac.zoom.us/j/6149618122
semester:	Spring 2021 Online, Synchronous
instructor Contact methods:	In-person preferred, followed by phone calls: 412.894.3020 Please do not email unless doing so is a special electronic mail use case as described on course website edarsow@ccac.edu
CCAC CIT department	Angie Ondrik (CIT & SEM) aondrik@ccac.edu (412)469-6484.
CIT Dept chair	Professor Rebecca E. Dupont relinich@ccac.edu
CIT Dean	Dean Brenda Trettel btrettel@ccac.edu
course Credits	3.
prerequisites	(DAT-201 or equivalent) Deprecated

I: Course Description:

This course is an advanced level project-based course for students in the Data Analytics program. Students will gain comprehensive experience and demonstrate their competence in applying the knowledge and skills learned in this program to real or hypothetical case studies. While students are encouraged to identify and work on projects in actual business or non-profit organizations, they may also work on equivalent hypothetical cases mutually agreed upon by the students and the instructor. The coursework culminates in a portfolio that will be used to evaluate student competencies in the program.

II: Learning Outcomes

The following content is extracted directly from the CCAC master course syllabus for DAT-281:

1. Demonstrate different forecasting techniques.
2. Use appropriate database for specific forecast.
3. Demonstrate data analytics forecasting.
4. Demonstrate collaboration on data analysis.
5. Present portfolio using data visualization techniques.

III: The nitty gritty

textbook & materials	<i>Books appropriate to your subdomain of interest</i> Course website: Master course website with session-specific content, submission portals, and assignment details: https://technologyrediscovery.net
letter Grades	Drawing on completed work and contributions to our class learning environment, propose a fair letter grade and a justification at midterm and final times using a 3x5 card. https://technologyrediscovery.net/coursesGen/trgrading.html Participate in final project sharing: Sharing your own and reviewing a final project from a peer is required to sufficiently justify a grade proposal of A or B
due date	Weekly work cycles start on Tuesday, and end on Sunday at morning light. Final work submission and grade proposals will be accepted until Monday, 17-MAY-2021 @ morning light but no later.
attendance & tardiness	As an online course, there are no scheduled session times, but rather weekly assignments please complete 75-85% of weekly work.
tests:	No high-stakes tests! Low-stakes, mini assessments and projects will constitute the bulk of your submitted work.
technology	You should have a computer capable of running a python interpreter or an R interpreter.
Academic Honesty	Provide written credit to all relevant authors of all code, writing, and project work for this course, including yourself and folks who help you (but who may not be published authors). Include direct URLs of websites consulted. Honor the copyrights associated with all content used in this course. Consequences: Students suspected of academic dishonesty will be asked to produce documentation to support any attributions (or, non-attributions).

IV: Official CCAC notices

my. ccac. edu	Students are reminded that they can access their course information and CCAC email account, the CCAC Academic Calendar (including add/drop/withdrawal deadlines), the Student Handbook, the College's Incident Report Form, and many other College services through the MyCCAC portal: https://my.ccac.edu
student handbook	<p>All students are expected to read and comply with the policies and regulations set forth in the CCAC Student Handbook, including without limitation the College's policies regarding academic and behavioral conduct, the procedures for requesting an accommodation based upon a disability, pregnancy or pregnancy related condition, or a religious observance, and for reporting unlawful discrimination and harassment.</p> <p>The Student Handbook is available to view and download along with the full text of the College's <i>Policy Manual</i>, <i>Administrative Regulations Manual</i>, and the Civil Rights Complaint Procedure:</p> <p>https://www.ccac.edu/academic-rules-and-regulations/rules-and-regulations.php</p> <p>https://www.ccac.edu/president/policies-and-regulations.php</p>
diversity	<p>Title IX of the Education Amendments 1972 (20 U.S.C. 1681 et seq.) and its implementing regulations, 34 C.F.R. Part 106, prohibit discrimination on the basis of sex in education programs or activities operated by recipients of Federal financial assistance. It is the landmark legislation that bans gender based discrimination in schools and colleges.</p> <p><i>"No person in the U.S. shall, on the basis of sex be excluded from participation in, or denied the benefits of, or be subjected to discrimination under any educational program or activity receiving federal aid."</i></p> <p>https://www.ccac.edu/diversity/title-IX.php</p> <p>https://www.ccac.edu/diversity/notices.php</p>
disability	<p>Information concerning the process and documentation required to request a disability-related accommodation can be obtained by contacting the campus' Office of Supportive Services for Students with Disabilities (OSSSD) or by visiting the OSSSD information page</p> <p>https://www.ccac.edu/supportive-services/suppotive.php</p>

V: Content licensing and sharing

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sharing elections	<p>Please review the sharing preference options and prepare to CHOOSE ONE by when you register your official identifiers to your instructor. You may change these at any time by talking with your instructor.</p>