



IDC 6940:
Capstone in
Data Science

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Course Preliminaries

- ▶ Course Webpage: <http://www.cs.fiu.edu/~giri/teach/CapDS-F18.html>
 - ▣ Reading Material; Announcements; Suggestions
 - ▣ VISIT OFTEN!
- ▶ Class meets 5:00 – 7:30 PM, GL 250, Thursdays
- ▶ Office ECS 254-B; Office Hours: By Appointment Only
- ▶ Phone: x-3748; Email: giri@cis.fiu.edu
- ▶ Variable credit course from Spring 2019

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Course Expectations

- ▶ Execute an **industry-relevant** or **research-oriented** project in Data Science
- ▶ The project must synthesize concepts from databases, analytics, visualization and management of data.
- ▶ The class will meet once every two weeks. Schedule will be announced in advance on the course website.
- ▶ Lectures will be used for:
 - ❑ Case histories and Visiting speakers
 - ❑ Monitoring progress in project and troubleshooting
 - ❑ Class presentations

Project Plan

- ▶ **Individual or team effort.**
 - ❑ Team Size? **2-3**
- ▶ **Projects need a faculty mentor to identify, plan, outline and execute**
 - ❑ Mentor list? **On the course webpage**
- ▶ **Projects are encouraged to have an external mentor**
 - ❑ The external mentor may be a domain expert to provide guidance
- ▶ **Projects will be evaluated by a 3-person committee**

Project Steps

1. Select **Faculty Mentor, Industry/Specialist Mentor & Project Team**
2. Select **Dataset** & Identify Broad **Questions**
3. Flesh out more **Details** of the Project
4. Write a preliminary **Proposal** and make a **Presentation (Date?)**
5. Meet regularly with mentors and **Execute** project
6. Discuss preliminary results and **Refine** project
7. Make final oral **Presentation** and submit final **Project Report**

Course Evaluation

- ▶ **Project Proposal** **20 %**
- ▶ **Proposal Presentation** **10 %**
- ▶ **Participation** **5 %**
- ▶ **Final Project Report** **25 %**
- ▶ **Final Project Presentation** **15 %**
- ▶ **Project Execution & Results** **25 %**