



DS315 Geospatial Data Analysis

Philippine Junior Data Science Challenge 2024

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The **Philippine Junior Data Science Challenge (PJDSOC) 2024**, organized by **UP Data Science Society (UP DSSoc)**, is a prestigious, nationwide competition that invites senior high school and undergraduate students to showcase their data science skills. PJDSOC 2024 offers workshops, talks, and a data science project proposal competition, focusing on equipping participants with valuable skills through hands-on experience.

Why Join?

This year's theme is “**Harnessing Data Science for Innovations in Sustainable Urban Mobility**”—a perfect fit for our **Geospatial Data Analysis** class. The majority of the datasets provided will be geospatial in nature. Here's why you should participate:

- **Relevance to Class:** The competition ties directly into the concepts we're covering in class, giving you a chance to apply your knowledge.
 - **Extracurricular Learning:** This is a great opportunity to expand your learning beyond the classroom.
 - **Fun and Engaging:** Competitions are a dynamic way to explore the subject matter in greater depth and discover new aspects of geospatial data analysis.
 - **Broader Exposure:** You'll encounter data science lessons and concepts that go beyond our current curriculum, deepening your understanding of the field.
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Competition Timeline

- **Early Registration:** September 9 – 27, 2024
 - **Late Registration:** September 28 – October 3, 2024
 - **Deadline for Proposal Submission:** October 5, 2024, 11:59 PM
 - **Event Launch:** October 5, 2024
 - **Announcement of Finalists:** October 11, 2024
 - **Advanced Workshop:** October 12 & 13, 2024
 - **Final Interactive Presentation:** October 26, 2024
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Class Arrangement

To better integrate this competition into our coursework:

1. **Midterm Exam:** There will be no midterm exam. Instead, you must present a **Project Proposal** for the competition, which I will grade.
 2. **PIT Exam:** No PIT exam; your grade will be based on your **consultation sessions** throughout the project.
 3. **Class Schedule:** For two weeks, there will be no formal classes. Use this time to develop your project proposal. Follow the competition timeline and use class hours for consultations and progress tracking.
 4. Checking of Project Proposal will be on **October 02, Wednesday, 4:00pm to 5:30pm.**
 5. The **BEST** Project Proposal will be endorsed and sponsored by the Department for the Competition. All of the other proposals will still be recommended if deemed feasible but there will be no sponsorship for the registration fees.
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Groupings

- Each group should consist of **3 to 5 members**. We expect to form **8 to 9 groups** in total from this class
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Rewards (in this class)

- If your group qualifies for the **Top 10**, each member will receive a **1.0** grade for the **Midterm**.
- If your group places **1st, 2nd, or 3rd** in the competition, you'll receive a **1.0** grade for the **Finals**.

Register through the link below: <https://bit.ly/PJDSC2024Register>

For more details on mechanics, criteria, and FAQs, check out the primer: <http://bit.ly/PJDSC2024EventPrin>

Access the link below for the datasets bit.ly/PJDSC2024_Datasets