From "Hello World" to Beyond

——An Analysis of Statistical & Data Science Learning Journey on Course Kata

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In general, students have **LOW** average score ratio on coding questions across all three textbooks.

**Recommendations:**

- **More tailored Foundational Contents for student groups with weaker educational backgrounds**
- **More Hands-On Guided Coding Learner Labs**
Many Students Come From Non-Technical Backgrounds (Majors)

Students In General Spend the Longest Time on Chapters with A High Percentage of Coding Questions

Recommendations:
- Show Difficulty Levels and Time Commitments Customized to Distribution of Past Learning Records
- Customized Learner Lab Data Examples Based on Students' Backgrounds (Majors)
Sentiment Analysis on Students' Post-Class Survey

2/3 students show positive feedback towards their learning experience.

Pre-Class: Students show high concerns regarding their ability to understand the materials, potential time investment. Noticeably, they demonstrate the highest concern regarding Coding and R.

Post-Class: Students reflect most on the difficulties, challenges, critical thinking, and time they invested in their class.

High Reviews on Chapter 2, coding and theory heavy.

Recommendations:

Implement Chatbot to Encourage More Consistent Student Engagement and Reviews Throughout a Complete Study Cycle.
THANK YOU!