

The Hong Kong University of Science and Technology
MSc Program in Data-Driven Modeling
MSDM 6771 Data-Driven Modeling Seminars and Tutorials
Seminar Report Form

Note:

1. Each seminar summary: > 100 words.
2. You can attach your notes taken in the seminar with equivalent word limits (handwritten notes are fine), but do not copy from any existing materials.
3. After each seminar, please submit your form to mscddm@ust.hk or the Program Office at Room 4452.

Section I. Personal Particulars

Student's Name:	Liu, Liangjie	Student ID:	21094937
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Session II. Seminar Report

Date:	21 November 2024	Time:	3:10 pm - 4:10 pm
Title:	Cracking Data Interviews and Navigating Data Careers with top-tier data science professional		
Speaker:	Dr. Monica Cheng, CEO and Co-Founder, DataMIMO LLC.		
Summary: (>100 words)	<p>This seminar focused on career paths, skills, and interview strategies for data-related jobs. Dr. Monica Chen highlighted the interdisciplinary connections between physics and data science, emphasizing shared principles like causality, modeling, and experimentation. She discussed applications in high-tech (e.g., recommendation systems, NLP, and robotics) and finance (e.g., risk management and real-time analytics).</p> <p>Dr. Chen outlined three major roles: **Data Analyst**, focusing on business insights and basic statistics; **Data Engineer**, emphasizing programming and big data processing; and **Data Scientist**, integrating mathematical modeling and communication skills. She addressed the impact of emerging technologies, such as generative AI, on industry trends and new roles like prompt engineering.</p> <p>On job preparation, Dr. Chen shared tips on crafting targeted resumes, excelling in phone and on-site interviews, and mastering technical and behavioral questions. She stressed the importance of adaptability, teamwork, and prioritization. The seminar concluded with practical advice on answering technical questions and engaging meaningfully with interviewers.</p>		

The question you/your classmate asked that inspired you the most in the seminar:

What are the key differences between the quantification strategies used in blockchain digital currencies and traditional stocks?

Speaker's answer to the above question:

Dr. Chen explained that blockchain and traditional stocks share similar technical foundations, such as data modeling and real-time analytics. However, blockchain faces unique challenges like decentralization, latency, and secure algorithm design. She highlighted the rapid growth of blockchain in finance, predicting it will become a booming field due to its increasing adoption and market volatility.

Attachments: ____ pages (if any, for example, handwritten summaries)

Session III. For the Program Office of MSc in Data-Driven Modeling Use Only

Submission Date:			
Verified by:		Verified date:	