

Myles D. Garvey, Ph.D - TikTok Instructional Video Portfolio

Operations Research

The Economic Ordering Quantity Model: <https://www.tiktok.com/@mylesgarveyphd/video/7328075846768413983>

How to Optimize Your Production Using Linear Programming:
<https://www.tiktok.com/@mylesgarveyphd/video/7344775563887873311>

Marketing

A Lecture on Max-Diff: <https://www.tiktok.com/@mylesgarveyphd/video/7329202267192593694>

How do we set the price of a product? <https://www.tiktok.com/@mylesgarveyphd/video/7335836072263322911>

Data Science / Decision Science / Machine Learning

Why you should NEVER use K Fold Cross Validation with time dependent data:
<https://www.tiktok.com/@mylesgarveyphd/video/7329546665583562015>

The Intuition behind the concept of "Continuous Probability":
<https://www.tiktok.com/@mylesgarveyphd/video/7335947183360871710>

How Do We Model a "Decision"? <https://www.tiktok.com/@mylesgarveyphd/video/7343325754219826463>

Neural Networks Inference and Training by Hand: <https://www.tiktok.com/@mylesgarveyphd/video/7349316759289154847>

Finance

What is a "stock short"? <https://www.tiktok.com/@mylesgarveyphd/video/7331063413038124319>

What does it mean for interest to be continuously compounded?
<https://www.tiktok.com/@mylesgarveyphd/video/7333256148000312606>

Markov Chains + Stock Prices: <https://www.tiktok.com/@mylesgarveyphd/video/7335613709252857119>

Programming

The Basic 4 Components of Any Modern Computer Programming Language:
<https://www.tiktok.com/@mylesgarveyphd/video/7330711267927199007>

How to use chatgpt to generate python code to run in google collab to compute the total time of a youtube playlist: <https://www.tiktok.com/@mylesgarveyphd/video/7331004619503553822>

3 Basic Words Every Coder Should Know: <https://www.tiktok.com/@mylesgarveyphd/video/7340386594219642143>

How to use ChatGPT to generate a Python Jupyter Notebook:
<https://www.tiktok.com/@mylesgarveyphd/video/7340747596807277855>

How to use R in a Python Google Colab Notebook: <https://www.tiktok.com/@mylesgarveyphd/video/7344367526010244382>

Artificial Intelligence, Prompt Engineering, and Large Language Models

What is a large language model, and what does it mean to "fine-tune" it?
<https://www.tiktok.com/@mylesgarveyphd/video/7339258726769118495>

Training Data Considerations for Large Language Models:
<https://www.tiktok.com/@mylesgarveyphd/video/7339943376629828894>

The Three Generations of Large Language Models: <https://www.tiktok.com/@mylesgarveyphd/video/7340719576671456543>

The "AI Bot Delphi" Method for AI Software Engineering:
<https://www.tiktok.com/@mylesgarveyphd/video/7353284755309284639>

Large Language (Neural Network) Models....DO "understand concepts":
<https://www.tiktok.com/@mylesgarveyphd/video/7439027349548502302>

How I Used Google to Automate Microsoft Word Documents Containing Project Specifications:
<https://www.tiktok.com/@mylesgarveyphd/video/7368881336448273706>

How Using AI Bots is Similar to Playing a Guitar: <https://www.tiktok.com/@mylesgarveyphd/video/7350329984529059103>

Philosophy

Does Randomness Exist? A Philosophy Lecture: <https://www.tiktok.com/@mylesgarveyphd/video/7341799542259518751>

How can $2+2=0$? AI is "incorrect!"...Actually, it IS CORRECT!
<https://www.tiktok.com/@mylesgarveyphd/video/7344402253853265183>