



# Kunstig intelligens og ChatGPT

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Visual Analysis and Perception Lab





Hvad er AI?



Hvad så med undervisning?

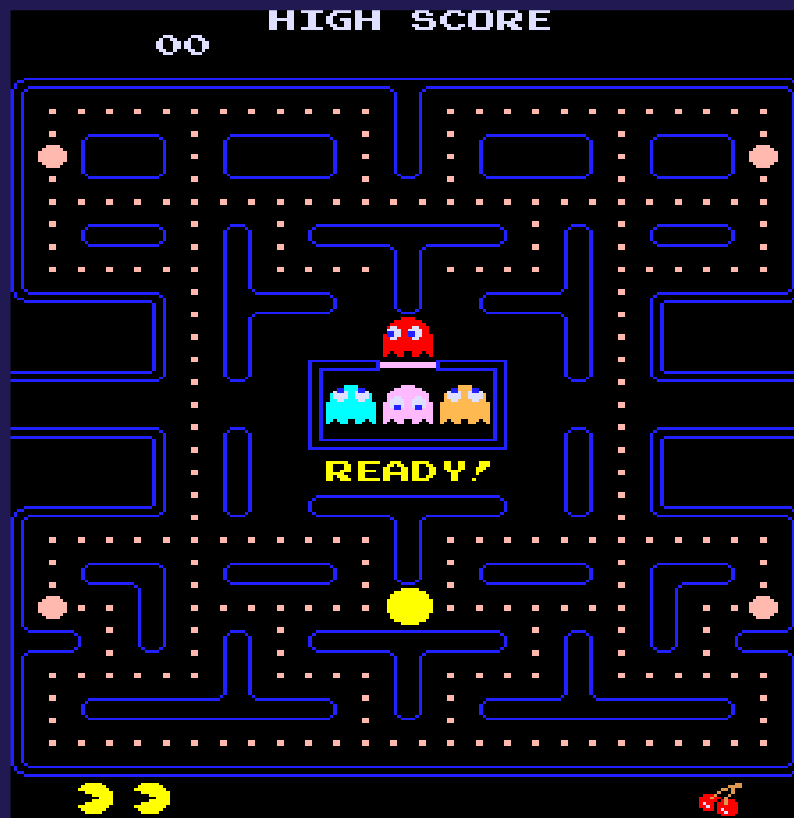




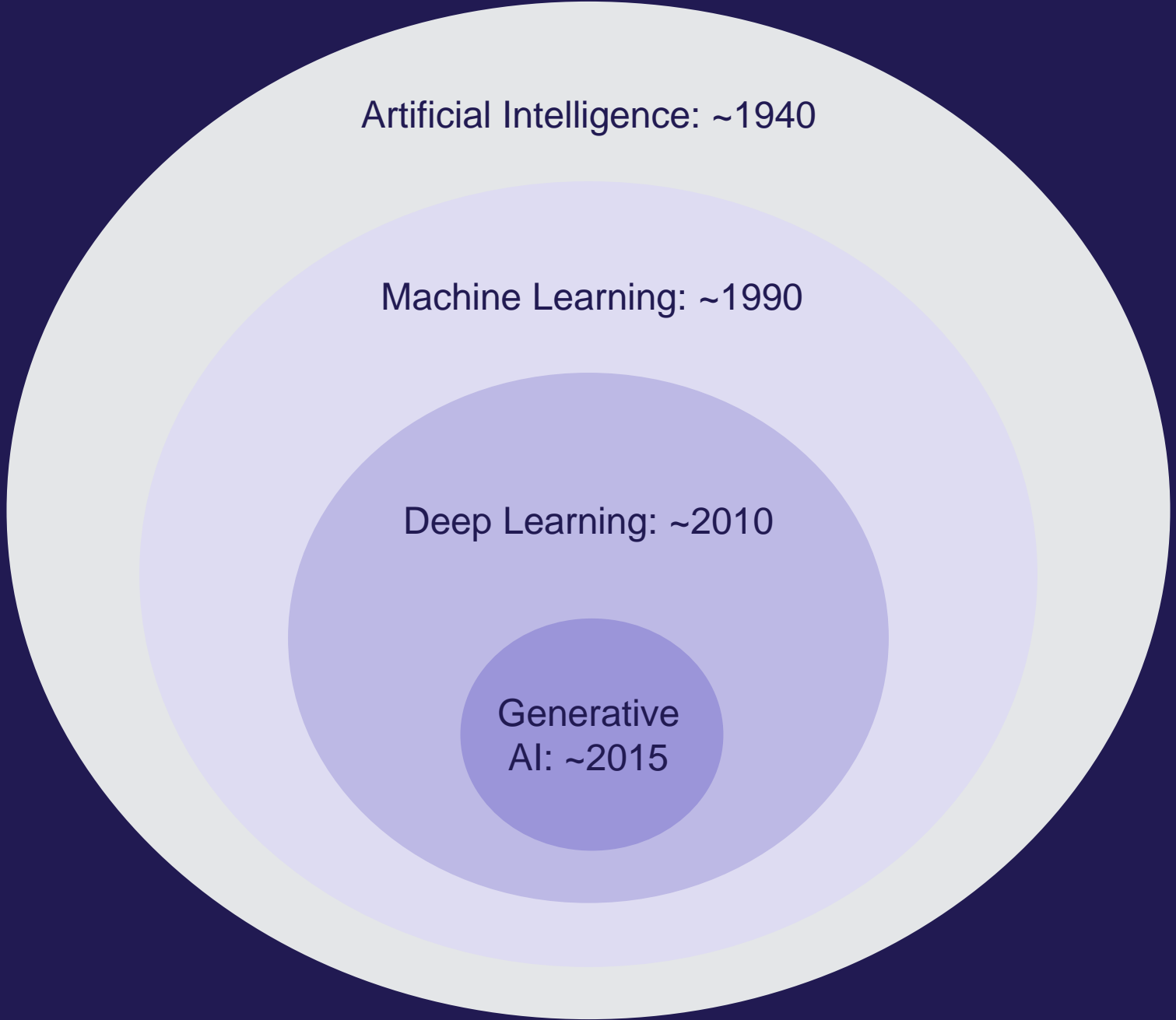
“AI is whatever hasn't been done yet.”

Douglas Hofstadter











⚡ GPT-3.5    ✨ GPT-4

# ChatGPT **PLUS**

GPT-4 currently has a cap of 25 messages every 3 hours.

Send a message.

ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT May 24 Version](#)









nemt fra din fra få eller købt til i til her man  
hjørnepælene kontrakten og er at mine nøje altid





min hest





min hest er den fin ud men med min opstilling  
ikke bliver brugt til hyggeridning og sjovt er det jo





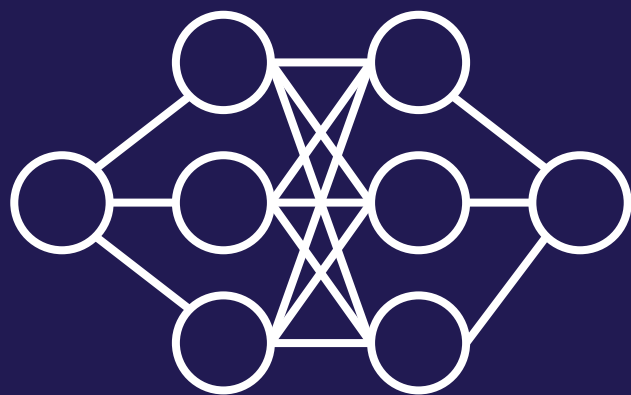
min hest er for dum til det ser flot ud med  
et eksempel så lyder det sådan jeg kan også





min hest jeg havde gjort det den bedste hjemis is  
kan du hjælpe mig så mange gode billeder godt gået



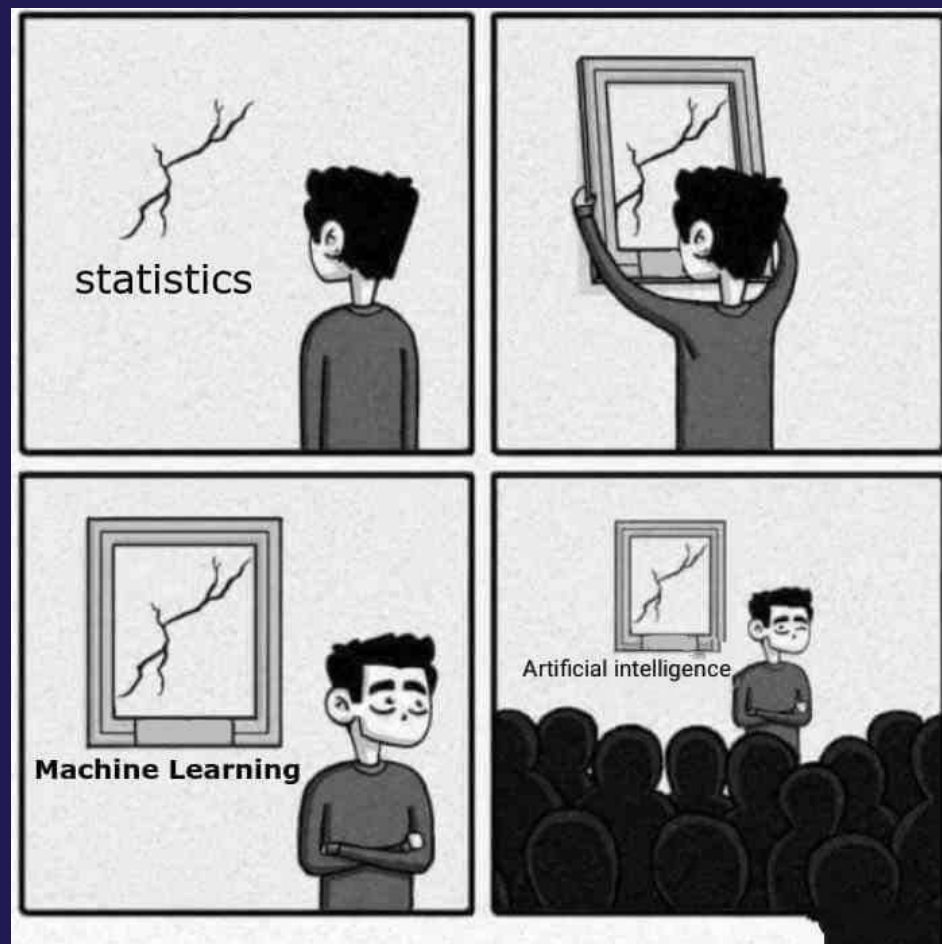


Base model



Alignment







*AI handler om at finde sammenhængen  
mellem input (features) og output (prediction)*







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*AI handler om at finde sammenhængen mellem input (features) og output (prediction)*





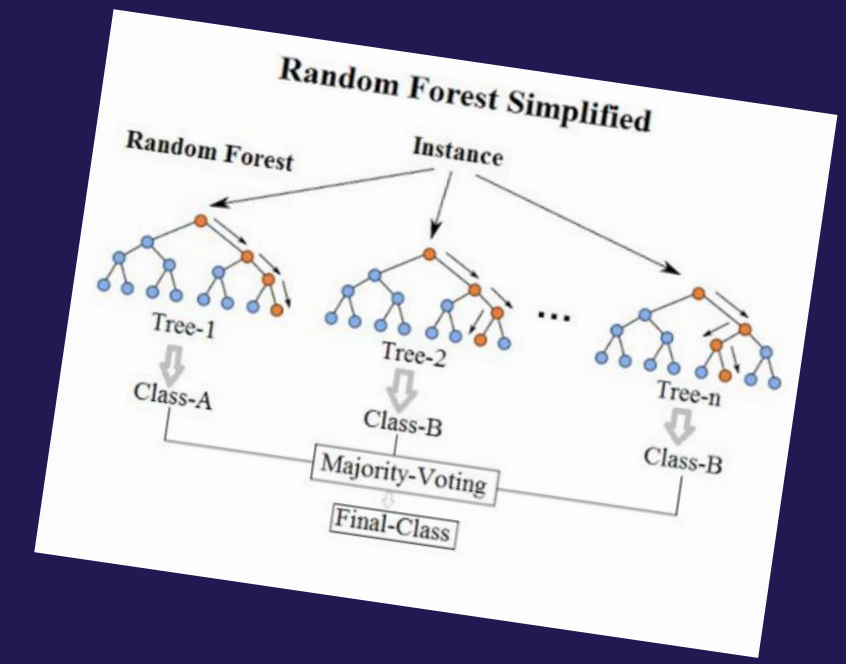
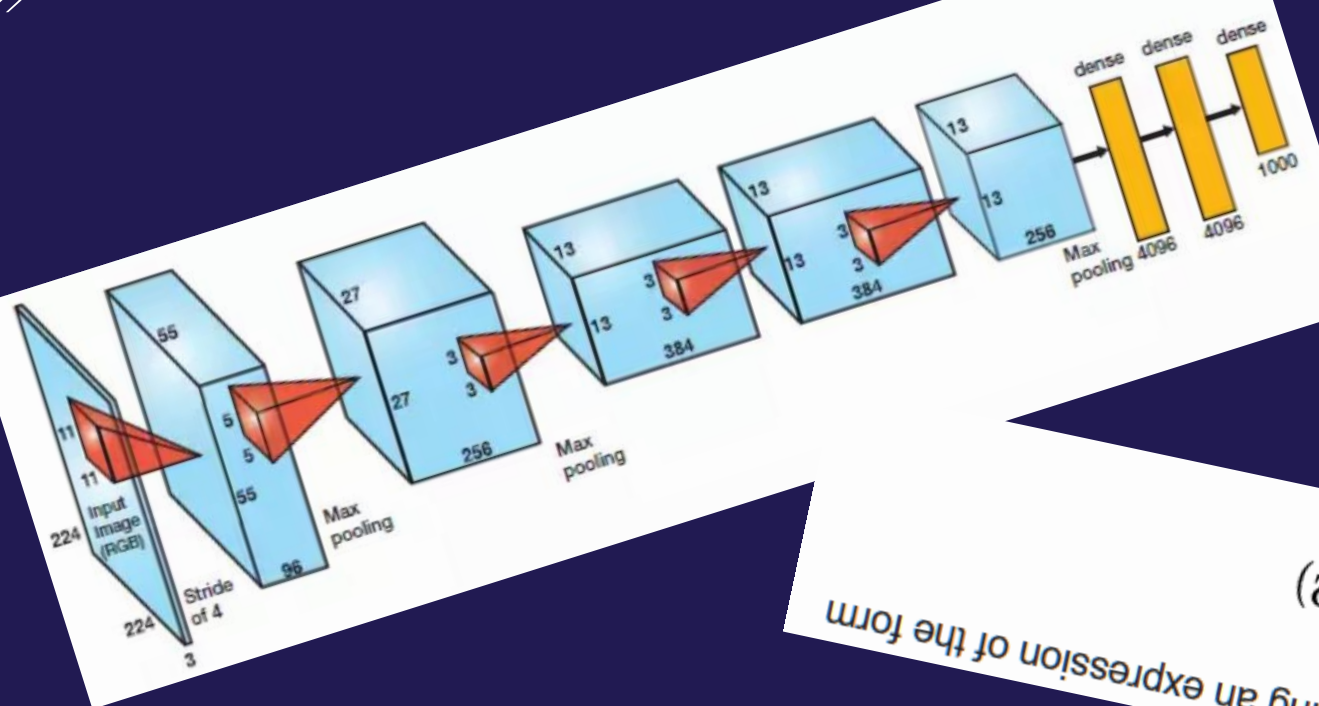
*AI handler om at finde sammenhængen mellem input (features) og output (prediction)*





*AI handler om at finde sammenhængen  
mellem input (features) og output (prediction)*





Computing the (soft-margin) SVM classifier amounts to minimizing an expression of the form

$$\left[ \frac{1}{n} \sum_{i=1}^n u_i \max(0, 1 - y_i(\mathbf{w}_T^T \mathbf{x}_i - b)) \right] + \lambda \|\mathbf{w}\|_2^2 \quad (2)$$




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Hvad så med undervisning?





*“when a tool produces outputs that contain concepts and interpretations that the researcher or author did not supply”*

Cornell, 2024







Forskning



Undervisning

Grundlæggende viden  
er nødvendig!





Projektarbejde



Undervisning



Eksamen





GPT-4

AN: What are good theme?

ChatGPT: Combining human delightful and

AN: I would like to design a new and better possible innovations for such a product

ChatGPT: Sure, here are for dispenser:

1. Touchless and Implementing contamination incorporating without physical convenient and
2. Customizable Create a soap of soap disper

AN: AN You Write an outline of

ChatGPT: An outline for a th

1. **Introduction to D**
  - Definition of D
  - Historical con
  - Importance of
2. **Chemical Struct**
  - Components
  - bases
  - Double helix s
  - Base pairing r

1. **Two by Brew**
2. **Ark-tisan Ale**
3. **Noah's Dark M**
4. **Flooded Flavo** the ale.
5. **Ark & Anchor**
6. **Animal Parad** ark.
7. **Rainy Day Respite** – Because what's be day?
8. **40 Days & Foamy Nights** – Playing on the 40 days and nights of
9. **Noah's Nuts & Bolts Brew** – A whimsical take, as if the ale contains

AN: I am going to show you a job posting, a resume, a teaching portfolio, and an overview of funding received. Reply to each with ok.

ChatGPT: Ok, please show me the job posting.

ChatGPT: Ok, please show me the resume.

ChatGPT: Ok, please show me the teaching portfolio.

ChatGPT: Ok, please show me the overview of funding received.

AN: Job posting:  
At the Technical Faculty of IT and Design, Department of Architecture, Design, and Media Technology, a position as Associate Professor in Computer Vision and AI is open for appointment from October 1st, 2023 or soon hereafter. The Department of Architecture, Design, and Media Technology has as its goal the development of an innovative cluster of engineering-based environments for education and research which integrate creativity, engineering and technology within the disciplines of architecture, urban design, industrial design,





Projektarbejde



Undervisning



Eksamen





Teach me about gardening using the Socratic method.



Certainly! I can help with your questions by asking you underlying questions.

### Understanding

- 1. Why do you want to understand this topic?
- 2. What do you already know about this topic?
- 3. How do you plan to use this information?

### Plant Selection

- 1. Why is it important to choose the right plants for your garden?
- 2. What factors should you consider when selecting plants?

### Soil Preparation

- 1. Why is soil preparation important for your garden?
- 2. What are the steps involved in soil preparation?



What should I study to learn how Kalman Filters work?



To learn how Kalman Filters work, you should study the following fundamental concepts and theories. Here's a list of topics to explore:

- 1. Linear Algebra: Understand the fundamental concepts, so it's easier to grasp the underlying mathematics like eigenvectors and eigenvalues.
- 2. Probability and Statistics: Learn about probability distributions, Bayes' theorem, and statistical concepts like variance and covariance.
- 3. State-Space Representation: Understand the representation of a system's state and how it evolves over time. This includes learning how to describe dynamic systems using state-space models.



I'm not strong in math. Can you help me understand filters?



Absolutely! Understanding Kalman Filters require delving into some core concepts, which means it might be challenging at first. However, with a solid foundation in the following areas, you can grasp the core concepts of Kalman Filters:

- 1. State and State Estimation: Understand the concept of a system's state and how it evolves over time. Imagine you have a system (like a car's position and velocity) that evolves over time. However, you don't have direct access to the system's true state but can only observe it through noisy measurements.

4. Dynamic Systems and Control Theory: Understand the basics of dynamic systems and control theory, including concepts like state



You

Write a short section discussing pros and cons of euthanasia.



ChatGPT

Euthanasia, often referred to as "mercy killing," is a complex and sensitive topic with significant ethical, legal, and personal dimensions. Here are some pros and cons:

### Pros

- 1. **Alleviates Suffering:** Euthanasia can provide relief from chronic and unbearable pain, particularly for terminally ill patients. It offers an escape from a life of suffering, where quality of life is deemed unacceptable by the patient.
- 2. **Respect for Autonomy:** It respects the individual's right to make decisions about their own life and death, particularly in cases where a





Projektarbejde



Undervisning



Eksamen





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**You**  
I'm going to show you a blog post.

**ChatGPT**  
Great! Feel free to upload the blog post or share its contents with me, and I'll do my best to assist you with it.



ZeroGPT

**Trusted GPT-4**

**ZeroGPT the most Adv**

**Your Text is Human written**

**0%  
AI GPT\***

Products **New** My Account

**l by ZeroGPT**

**AI Content Detector**

**ChatGPT**  
**Title: Journey to the Ice Giants: Illulissat, Greenland**

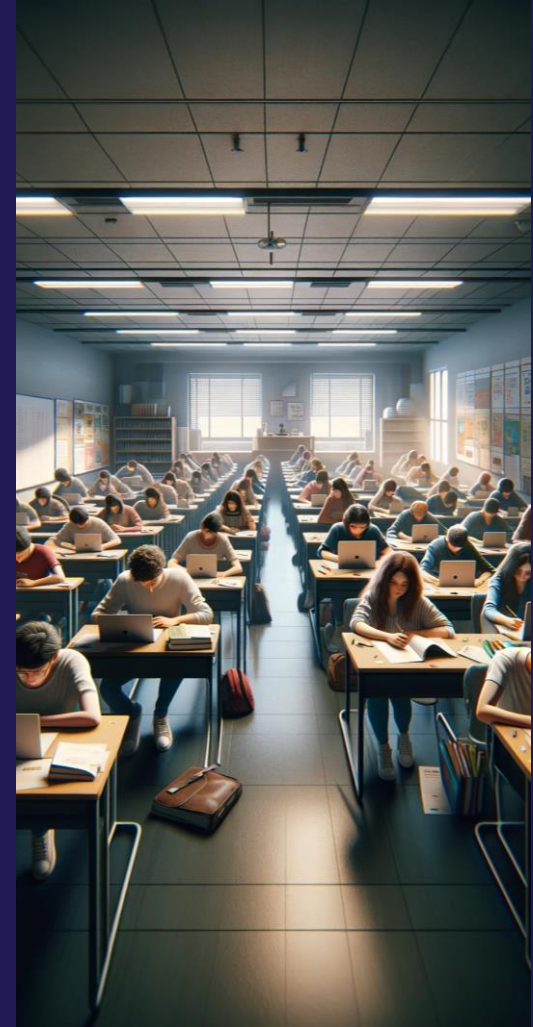
As our small propeller plane descended towards Illulissat, the Greenlandic town famed for its proximity to the colossal icebergs of the Illulissat Icefjord, a UNESCO World Heritage Site, I was glued to the window. The panoramic view of the vast, icy landscape, splintered with







No computers



Written with random  
oral exams



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