Calvin AI/ML Handout Mar 21, 2025	Name:
1. Match each type of generative model image, sound, etc.)	ing approach with the model's input and output. ("Thing" could be text,
AutoregressiveLatent variableDiffusion	 Given a noisy whole thing, model outputs a less-noisy whole thing Given a generation "cut off" somewhere, model outputs the next thing Given a vector of random numbers, model outputs a complete sample in one step
2. Describe how ChatGPT, internally, w	orks like a classifier. What is it classifying? What are the classes?
3. Each of these problems can be address and genAI approaches to solving it.	sed using generative AI – or not. Pick one or two and think of both classical
A chatbot psycotherapistAdding sunglasses to a photo of a fClassifying an email as spam or no	
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A chatbot psycotherapistAdding sunglasses to a photo of a f	Erasing unwanted objects in an imageIdentifying potential errors in code

• Classifying an email as spam or not spam

Before you leave, pick a couple of these questions to react to:

- 1. What was the most important concept from today for you?
- 2. What was the muddiest concept today?
- 3. How does what we did today connect with what you've learned before?
- 4. What would you like to review or clarify next time we meet?
- 5. What are you curious, hopeful, or excited about?

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