Generative AI – few intro points

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Why we talk about GenAI in 2023?

• **Technological Breakthroughs:** In November 2022, what is known as the "ChatGPT moment“, demonstrated that LLMs could solve complex challenges/tasks that were previously very difficult or almost impossible.

• **Unexplained Success:** The AI field is experiencing a phenomenon of "emergent behavior" where LLMs perform at a remarkably high level for reasons that are not fully understood, which generates both excitement and concern within the scientific community.

• **Regulatory Challenges:** The pace at which Generative AI is advancing has taken regulators by surprise, prompting a need to quickly develop and implement new legal frameworks to mitigate potential risks.
GenAI Future

• **Advancements in AI Technologies**: New sensor technologies, improve data integration techniques, and leverage quantum and bio-inspired computing to greatly *enhance reasoning and cognitive abilities*.

• **Expansion into New Domains**: AI is expected to venture into unexplored areas, aided by advancements in *foundational models*, likely leading to breakthroughs across various fields and industries.

• **Impact on Society and Regulation**: Significant implications for the job market, privacy, ethics, and security, necessitating robust and adaptable regulatory frameworks *to ensure safe and equitable integration into society*. 