



HAWAI'I COMMUNITY FOUNDATION

AI Chatbots: The New Frontier

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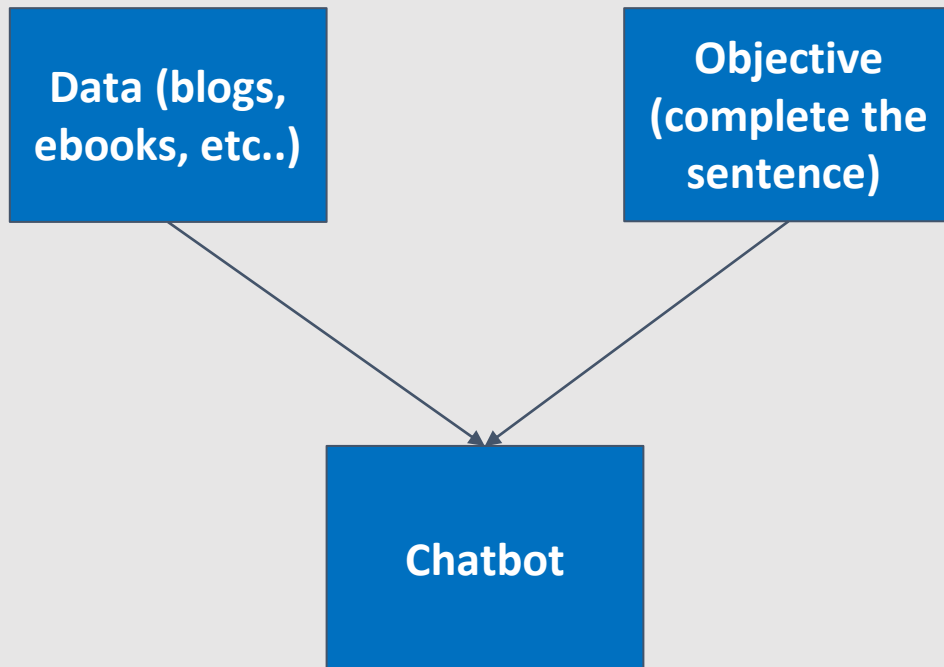
Agenda

1. What are AI Chatbots
2. How does it work (Live Demo)
3. Legal/Ethical Pitfalls
4. Advantages & Disadvantages
5. Questions & Answers



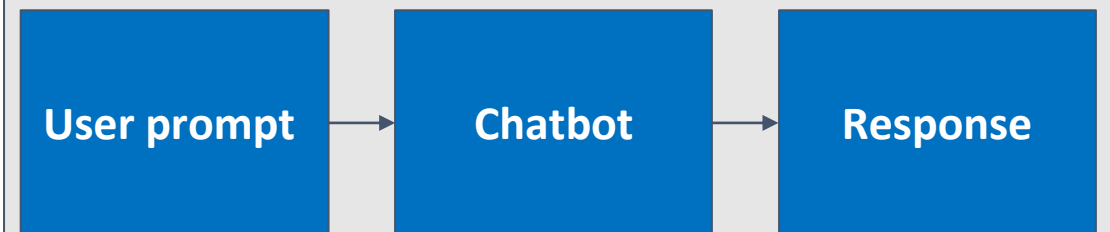
What are AI Chatbots?

Training (\$\$\$\$)



Chatbots are programs that simulate human conversation

Inference (\$)



What can Chatbots do?



Once Chatbots are trained what can they do?

- Analyze sentiment in reviews
- Summarize text
- Answer questions
- Semi-automate copywriting and advertising
- Use tools and plugins

Sentiment Analysis Example

R

Read the review:

"I think this product was great !"

Output positive, negative, or neutral based on the sentiment of the review. Output should be one word only



positive



R

User

Read the review:

"I probably won't buy this product again"


Output positive, negative, or neutral based on the sentiment of the review. Output should be one word only




negative



Automated Advertising

R Write me a listing for a two bedroom apartment in Waikiki with an ocean view, one bathroom, and a built-in washer-dryer unit. 

View other drafts 

2 Bedroom Apartment with Ocean View in Waikiki

Overview

This spacious two-bedroom apartment is located in the heart of Waikiki, just steps from the beach. The apartment features stunning ocean views, one bathroom, and a built-in washer-dryer unit. The living room is furnished with a sofa bed, a coffee table, and a TV. The kitchen is fully equipped with a stove, oven, microwave, refrigerator, and dishwasher. The bedrooms are both furnished with queen-size beds and dressers. The apartment also has a private lanai with ocean views.

Amenities

- Stunning ocean views
- One bathroom
- Built-in washer-dryer unit
- Fully equipped kitchen
- Private lanai
- Close to the beach
- Walking distance to restaurants, shops, and attractions

Plug-ins

Kayak Plug-in Example

I want to book a flight from HNL to LAS departing on 8/1 and returning on 8/10 on Hawaiian Airlines



Used **KAYAK** ▾




Here are some flight options for your trip from Honolulu to Las Vegas:

1. Hawaiian Airlines: Departure on Aug 1 at 3:10 PM, arriving at 11:55 PM. Return on Aug 10 at 1:55 AM, arriving at 5:10 AM. The total cost is \$2,674. [Book here](#)
2. Hawaiian Airlines: Departure on Aug 1 at 8:00 AM, arriving at 4:45 PM. Return on Aug 10 at 1:55 AM, arriving at 5:10 AM. The total cost is \$2,709. [Book here](#)
3. Hawaiian Airlines: Departure on Aug 1 at 3:10 PM, arriving at 11:55 PM. Return on Aug 10 at 9:10 AM, arriving at 12:30 PM. The total cost is \$2,880. [Book here](#)
4. Hawaiian Airlines: Departure on Aug 1 at 8:00 AM, arriving at 4:45 PM. Return on Aug 10 at 9:10 AM, arriving at 12:30 PM. The total cost is \$2,915. [Book here](#)
5. Hawaiian Airlines: Departure on Aug 1 at 10:25 PM, arriving on Aug 2 at 7:10 AM. Return on Aug 10 at 1:55 AM, arriving at 5:10 AM. The total cost is \$2,579. [Book here](#)
6. Hawaiian Airlines: Departure on Aug 1 at 10:25 PM, arriving on Aug 2 at 7:10 AM. Return on Aug 10 at 9:10 AM, arriving at 12:30 PM. The total cost is \$2,785. [Book here](#)

Please note that prices and availability are subject to change. Let me know if you need help with anything else.



HNL to LAS, 8/1 — 8/10

 kayak.com

Live Chatbot Demo



Proceed with Caution: Legal & Ethical pitfalls

As with any rapidly advancing technology, the tools are getting more powerful faster than societal norms, professional standards, and laws can adapt.

- Copyright — Generative AI Learned from Others
- Hallucinations — Generative AI is Unpredictable
- Disinformation & Deepfakes — Malicious Use of AI
- Disclosures — Acknowledging the Use of AI
- Disruption — AI Replacing Human Workers

Why data & AI?

Organizations recognize that data & AI are catalysts for enterprise reinvention, but also know there's work ahead to fully capitalize on data & AI's potential.

97%

of executives said generative AI will be transformative to their company and industry.

67%

of organizations plan to increase their level of spending in technology and are prioritizing investments in data & AI.

56%

of respondents acknowledge data readiness is the top challenge to adopt AI.

93%

of executives surveyed support some level of government regulation around AI.

95%

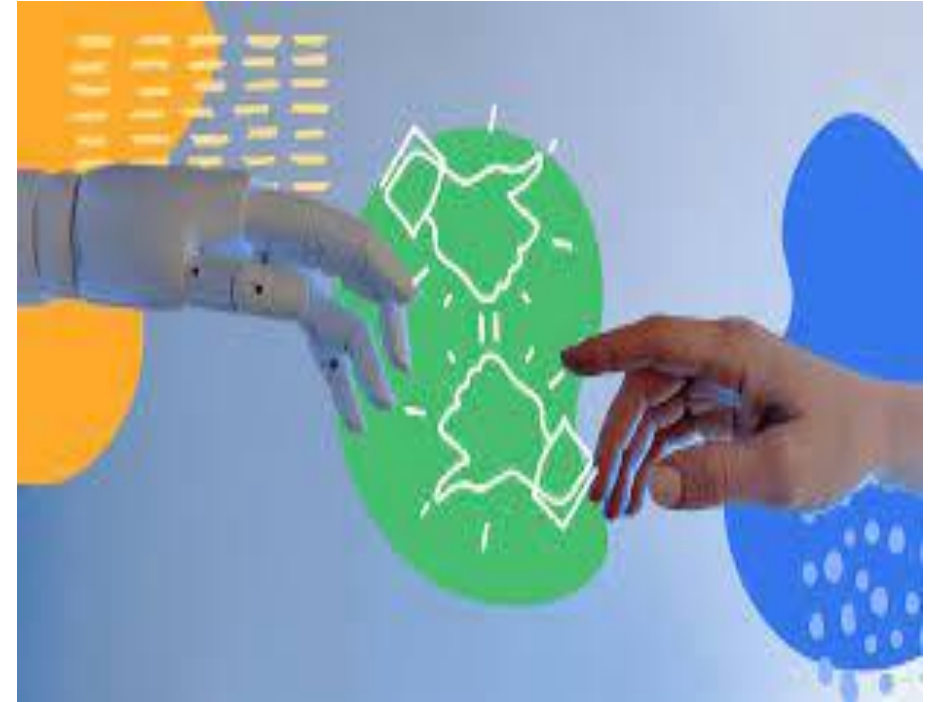
of organizations are increasing their investment as a % of revenue (an increase from 89% over the last 3 months).

7 in 10

organizations have specific training programs planned for 2023 to ensure workers are prepared to use generative AI tools.

Advantages:

- Improved productivity & efficiency
- Availability and scalability of the model
- Enhanced customer support and engagement



Disadvantages:

- Cannot be used as an authoritative source of information.
- Ambiguities & inaccuracies
- Lack human empathy and individuality

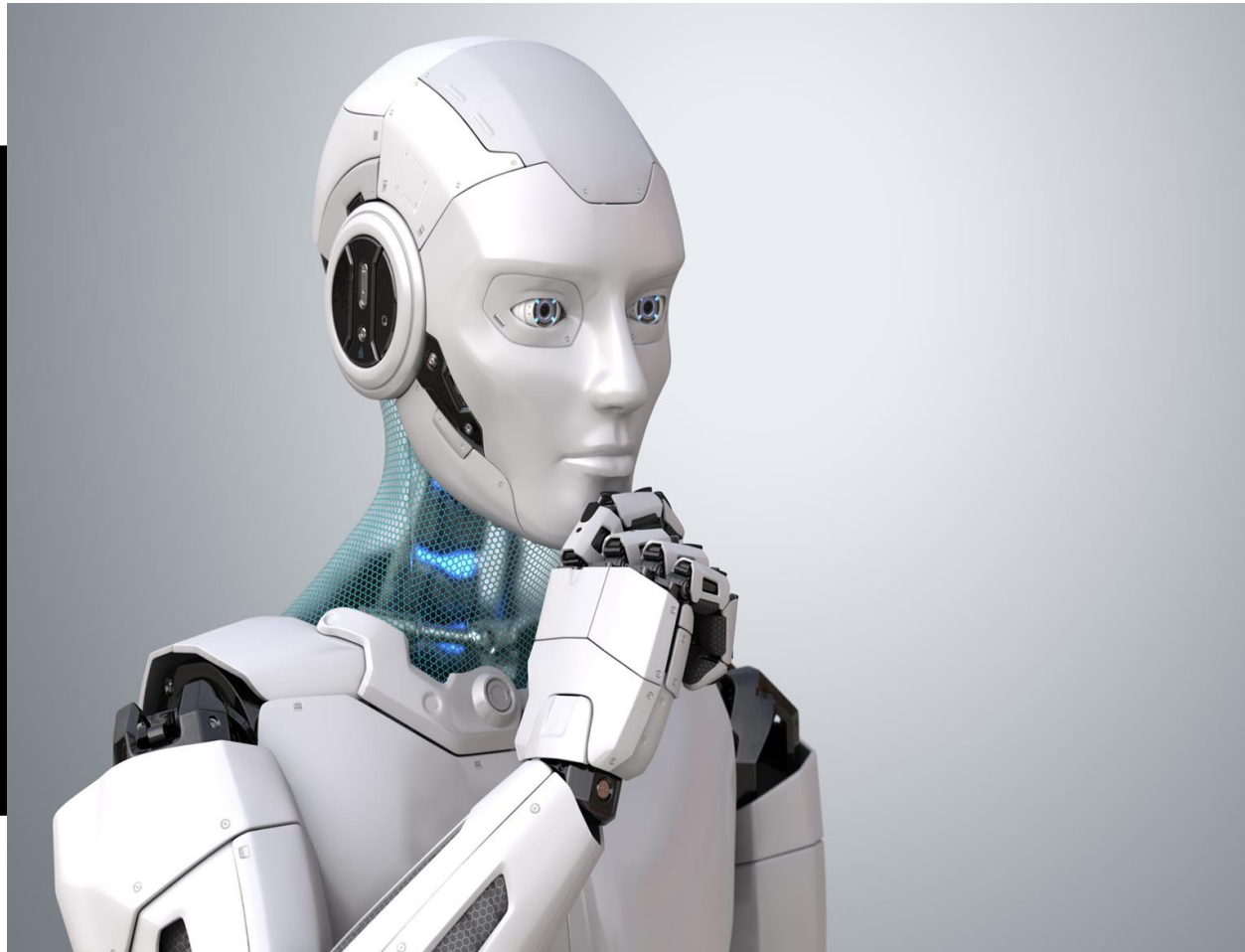


Conclusion:

Ongoing Conversations

- Privacy & Security
- Accountability & Transparency
- Inclusion & Bias
- Ethics & Compliance
- Human Learning & Impact





Questions?

Business Applications of AI:

- [Artificial Intelligence for the Real World](#) (Harvard)
- [How Do Businesses Use Artificial Intelligence?](#) (Wharton)
- [AI for Business: Reinvent What's Possible](#) (Accenture)
- [AI in Business Trend Report 2023](#) (Jasper)

Mahalo Nui Loa!