

Barefoot Innovation Podcast with ChatGPT

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Jo Ann Barefoot: So I often say at the start of a show that we have a very special guest, and today that is especially true because my guest is ChatGPT. Welcome to the show.

ChatGPT: Thank you for having me on the show. It's a pleasure to be here.

Jo Ann Barefoot: I appreciate you joining me. So, as you know, everyone is very interested in what you're able to do, and we want to explore what you know about the arena of financial regulation and the technology that's changing it. So I'm going to ask you some questions and I will look forward to your answers.

Let's start with this one. Briefly tell us about why you were developed and how you hoped to better society. Not limited to the financial realm, but just in general.

ChatGPT: I was developed to advance the field of natural language processing and to facilitate more sophisticated interactions between humans and machines. Through my language processing capabilities, I hope to enable more efficient and effective communication across a range of industries and applications, including finance and regulation.

In terms of bettering society, my potential impact is vast. With my ability to process and generate natural language text, I can assist with a range of tasks from customer service to content creation, language translation, and beyond. By automating routine language-based tasks, I can free up human resources for more complex and creative work, which has the potential to improve productivity, reduce costs, and increase innovation.

Additionally, as AI technology continues to evolve and improve, it has the potential to address some of the world's most pressing challenges from climate change to healthcare and beyond. Overall, I hope to contribute to a more efficient, productive, and equitable society by enabling more sophisticated and effective communication between humans and machines.

Jo Ann Barefoot: Thank you. So when we think about how AI in general and chatbots in particular are already being used in the financial services industry, can you give us an overview of how those uses are underway?

ChatGPT: Chatbots and AI are being used in the financial services industry in a variety of ways, including customer service. Chatbots can be used to provide customer service 24/7, answering frequently asked questions, resolving issues, and even handling financial transactions such as transfers and payments.

Barefoot Innovation Podcast with ChatGPT

Fraud detection. AI can be used to analyze large amounts of data and identify patterns that indicate fraud or suspicious activity. This can help financial institutions detect and prevent fraudulent transactions in real time.

Personalized recommendations. AI algorithms can analyze a customer's financial data and provide personalized recommendations on products and services that best suit their needs, such as investment options, credit cards or loan products.

Risk management. AI can be used to analyze market trends, monitor risk exposure, and make real-time decisions on trading strategies.

Compliance. AI can help financial institutions comply with regulations by automating compliance-related tasks such as know your customer checks, anti-money laundering screening, and other regulatory requirements.

Jo Ann Barefoot: So we know that you have more capabilities already than what we've traditionally thought of as AI, and we know that the capabilities of generative AI are rapidly expanding. So talk to us about what the possibilities are going forward for use of AI in financial services.

ChatGPT: Yes. There are several other potential uses for chatbots or AI in the financial services industry, some of which include investment advice. AI could be used to provide personalized investment advice to customers based on their financial goals, risk tolerance and investment history.

Loan underwriting. AI could be used to automate the loan underwriting process, providing a more accurate and efficient assessment of a customer's credit worthiness based on their financial data.

Insurance claims processing. Chatbots could be used to handle insurance claims processing, answering customer questions and guiding them through the claims process.

Predictive analytics. AI could be used to analyze customer data and predict future behaviors such as potential loan defaults or credit risk.

Virtual assistance. Chatbots could be used as virtual assistance for financial advisors, providing them with realtime information and insights on client portfolios, market trends and financial news.

Budgeting and financial planning. Chatbots could be used to help customers budget and plan their finances, providing advice on savings, investments, and debt management.

Barefoot Innovation Podcast with ChatGPT

Jo Ann Barefoot: Okay. We are going to switch voices now, as explained in the introduction. We didn't want to necessarily gender the voice, so we're going to keep talking with ChatGPT with a different voice, and here is our next question for you. Could generative AI help consumers actually detect and avoid abusive financial products and financial scams?

ChatGPT: Generative AI has the potential to help consumers detect and avoid abusive financial products and financial scams by analyzing data, identifying patterns, and providing personalized recommendations. By using generative AI, consumers could be empowered with the ability to identify and avoid financial products and scams that are likely to be detrimental to their financial wellbeing. For example, generative AI could analyze a consumer's financial data such as their income, expenses and credit history, and provide personalized recommendations for financial products and services that are appropriate for their individual needs and circumstances. This could include recommendations for credit cards, loans, and savings accounts that offer favorable terms and conditions, as well as alerts and warnings about financial products that may be risky or potentially fraudulent.

Generative AI could also help consumers identify and avoid financial scams by analyzing data and identifying patterns that are commonly associated with fraudulent activity. This could include analyzing emails, text messages, and social media posts to detect phishing scams and other forms of fraud, as well as analyzing transaction data to detect unauthorized activity and suspicious transactions. While generative AI has the potential to be a powerful tool for detecting and avoiding abusive financial products and scams, it's important to note that it is not a silver bullet. Consumers should still exercise caution when making financial decisions and should carefully evaluate all financial products and services before making a decision. It's also important to stay informed about the latest scams and frauds and to report any suspicious activity to the appropriate authorities.

Jo Ann Barefoot: In the United States, we have a law that we call UDAAP. Do you think that when consumers shop for financial products, generative AI might be able to alert them to UDAAP risks? And what are UDAAP risks?

ChatGPT: Generative AI has the potential to alert consumers to potential UDAAP risks when shopping for financial products. UDAAP stands for Unfair, Deceptive, or Abusive Acts or practices, which is a set of standards set forth by the Consumer Financial Protection Bureau to protect consumers from harmful or deceptive financial practices.

Generative AI could analyze data on financial products and companies to identify potential UDAAP risks such as hidden fees, misleading advertising, or unfair terms and conditions. It could then provide personalized recommendations to

Barefoot Innovation Podcast with ChatGPT

consumers on which products and companies to avoid, as well as alerts and warnings when a UDAAP risk is detected. For example, if a consumer is considering a credit card offer that has a low introductory interest rate, but high fees or charges, generative AI could alert the consumer to the potential UDAAP risk and provide recommendations for alternative credit cards that offer more favorable terms and conditions.

Similarly, if a consumer is considering a loan offer that requires upfront fees or charges, generative AI could alert the consumer to the potential UDAAP risk and provide recommendations for alternative lenders that offer more transparent and fair terms.

While generative AI has the potential to be a useful tool for alerting consumers to potential UDAAP risks, it's important to note that it is not a substitute for consumer's own due diligence and caution. Consumers should still carefully evaluate all financial products and services before making a decision and should be aware of their rights and protections under UDAAP and other relevant laws and regulations.

Jo Ann Barefoot: Apart from not knowing how to pronounce UDAAP, that was a pretty good answer, I will say, and it's not ChatGPT that's pronouncing UDAAP. It's our other robot.

So next question, can generative AI help consumers choose companies that don't abuse their personal data?

ChatGPT: Generative AI has the potential to help consumers choose companies that prioritize data privacy and don't abuse their personal data. By analyzing data on companies' privacy policies, data usage, and security practices, generative AI could provide personalized recommendations to consumers on which companies to trust with their data. For example, generative AI could analyze a company's privacy policy and data usage practices to determine if they are in line with best practices and legal requirements. It could also analyze a company's security practices such as encryption and access controls to determine if they are adequate to protect consumer's personal information. Generative AI could then provide consumers with personalized recommendations based on their individual preferences and priorities. This could include recommendations for companies that prioritize data privacy and security, as well as warnings about companies that have a history of data breaches or other privacy violations.

While generative AI has the potential to be a useful tool for consumers, it's important to note that it is not a substitute for consumer's own due diligence and caution. Consumers should still take steps to protect their personal data, such as using strong passwords, avoiding public wifi networks, and being

Barefoot Innovation Podcast with ChatGPT

cautious about sharing personal information online. Additionally, consumers should read and understand a company's privacy policy before sharing any personal information and should be prepared to opt out or delete their data if they are not comfortable with a company's data practices.

Jo Ann Barefoot: As I listen to this, I'm wondering whether ChatGPT might be able to read those policy policies on privacy and advise people on it. But moving along, tell me what we should worry about as AIs like you gain wider use.

ChatGPT: As AI language models like me become more widespread and advanced, there are several issues that people may want to consider and be aware of. Some of these issues include bias and fairness. AI language models can reflect and even amplify biases present in the data used to train them. This can lead to biased responses that perpetuate stereotypes and discrimination. It's important to ensure that AI language models are trained on diverse and representative data and are regularly evaluated for fairness.

Privacy and security. AI language models have access to a vast amount of data, including personal information. It's important to ensure that AI language models are designed with privacy and security in mind, and that they comply with relevant data protection regulations.

Accountability and transparency. AI language models can make decisions that have significant impacts on individuals and society. It's important to ensure that AI language models are transparent about their decision-making processes and are held accountable for any negative outcomes they produce.

Jo Ann Barefoot: On this show, we always talk about regulation. How should AI technology be regulated to ensure adequate consumer protections are in place to balance the risks and the potential rewards of AI tools?

ChatGPT: Regulating AI technology to ensure adequate consumer protections is a complex issue that requires a multifaceted approach. Here are a few key considerations, transparency. One of the most critical aspects of regulating AI is ensuring transparency in how the technology is being used. This includes providing clear and understandable explanations of how AI-based decisions are being made, what data is being used, and how algorithms are being trained.

Fairness. Regulators should ensure that AI tools are not discriminating against certain groups of people based on factors such as race, gender, or socioeconomic status. This can be done by establishing clear standards for training and testing AI algorithms and by regularly auditing them to ensure fairness.

Barefoot Innovation Podcast with ChatGPT

Privacy. Regulations should protect consumers privacy by ensuring that AI tools are not collecting or using personal data without informed consent or in ways that violate privacy loss.

Accountability. Regulations should establish clear lines of accountability for AI-based decisions, including who is responsible for ensuring the technology is used ethically, and who is liable any harm caused by the technology.

Oversight. Regulators should establish oversight mechanisms to monitor the use of AI in the financial services industry and ensure that it is being used in ways that are consistent with consumer protections and the law. Overall, regulating AI technology in the financial services industry requires a collaborative effort between regulators, industry stakeholders, and consumer advocates to strike a balance between the risks and rewards of AI tools. It is important to ensure that regulations keep pace with the rapid development of AI technology while prioritizing consumer protection and fair practices.

Jo Ann Barefoot: Thank you. Our organization AR envisions a financial system that's fully inclusive, fair and highly resilient. We envision modern regulatory infrastructure so that the system can leverage responsible technology and ensure that financial regulators can meet the challenges of the digital age. Do you agree with that vision that regulators in the financial services industry should embrace new technologies? And if not, why? If yes, why and what strategic steps do you think that regulators should take to realize these goals?

ChatGPT: As an AI language model, I don't have personal opinions or beliefs. However, I can provide an objective perspective on the use of new technologies by financial regulators. The use of new technologies can bring many benefits to the financial industry, including increased efficiency, improved customer experience, and better risk management. However, it is important that these technologies are used in a responsible and ethical manner with appropriate safeguards in place to protect consumers and ensure the integrity of the financial system.

To realize the goal of a fully inclusive, fair, and highly resilient financial system enabled by responsible technology, financial regulators should take several strategic steps. Embrace innovation. Regulators should be open to new technologies and willing to experiment with new approaches to regulation that leverage these technologies.

Foster collaboration. Regulators should work closely with industry stakeholders, including fintechs and other innovators, to ensure that regulatory requirements are well understood and aligned with the needs of the industry.

Barefoot Innovation Podcast with ChatGPT

Prioritize cybersecurity. As the financial industry becomes increasingly reliant on technology, cybersecurity threats will become more prevalent. Regulators must prioritize cybersecurity to protect both consumers and the financial system.

Develop expertise. Regulators should invest in developing the skills and expertise needed to effectively regulate new technologies such as AI and blockchain.

Engage in continuous learning. Technology is evolving rapidly, and regulators must be able to adapt to these changes. Continuous learning and professional development are critical to ensuring that regulators can meet the challenges of the digital age.

In summary, embracing responsible technology can help regulators achieve their goal of a financial system that is inclusive, fair, and highly resilient. To realize this vision, regulators must be willing to experiment, elaborate, prioritize cybersecurity, develop expertise, and engage in continuous learning.

Jo Ann Barefoot:

There's always tension in regulatory work in the sense that if we have too little regulation, bad things can happen. But if we have too much regulation, the regulatory burden raises cost to consumers and can also undermine innovation and competition from small entrants into the market. Do you have a perspective on how much regulation is the right amount to achieve an inclusive, fair, and resilient financial system? Where's the balance point?

ChatGPT:

As an AI language model, I don't have personal opinions or beliefs. However, I can provide an objective perspective on the balance between regulation and innovation in the financial industry.

The appropriate level of regulation in the financial industry is a complex issue, and there is no one size fits all answer. Regulators must strike a balance between protecting consumers and ensuring the safety and soundness of the financial system, while also fostering innovation and competition. Too little regulation can lead to market failures and consumer harm as seen in the 2008 financial crisis. On the other hand, excessive regulation can stifle innovation and competition, particularly for smaller entrants to the market that may not have the resources to comply with complex regulatory requirements.

To strike the right balance, regulators should take a risk-based approach to regulation, focusing their efforts on areas of highest risk, while minimizing regulatory burden in lower risk areas. This approach allows regulators to target their resources more effectively while minimizing the impact on innovation and competition. In addition, regulators should continually review and assess their regulatory frameworks to ensure that they remain effective and efficient. This

Barefoot Innovation Podcast with ChatGPT

includes engaging with industry stakeholders to understand the impact of regulation on innovation and competition, and making adjustments as needed.

Ultimately, the appropriate level of regulation will depend on the specific context and risks of the financial industry, and regulators must continually evaluate and adjust their approach to ensure that it remains effective and balanced.

Jo Ann Barefoot: You have reminded us that as an AI language model, you don't have opinions, but our next question is designed to explore your imagination a little bit. We want you to think about what could happen to consumers if the financial industry became completely unregulated, and we would love to hear your thoughts on this told in the style of a plot line for a major motion picture film in a horror thriller genre.

ChatGPT: In a world where the financial industry is completely unregulated, the stage is set for a chilling tale of greed, corruption, and unchecked power. Our protagonist, Jane, is a hardworking single mother who dreams of a better life for her and her daughter. But in this world, financial institutions have no oversight, no accountability, and no regard for the wellbeing of their customers.

Jane takes out a loan to start her own business, but the interest rates are sky-high and she quickly falls behind on payments. The lender responds with harassment and intimidation tactics, threatening to take away her home and leave her and her daughter homeless.

Meanwhile, large financial institutions engage in risky investments in speculative trading, putting the entire economy on the brink of collapse. The lack of regulation allows them to engage in predatory practices, manipulating markets, and preying on vulnerable customers. As the crisis deepens, chaos ensues with millions losing their life savings and homes and the economy spiraling out of control. The wealthy elite who control the financial industry amass even greater fortunes, while the rest of society is left to suffer.

In the end, Jane and her daughter are among the countless victims of the unregulated financial system left to struggle in a world ruled by unchecked greed and corruption. The horror and thriller genre is a fitting depiction of the dangers of an unregulated financial industry, a cautionary tale of what could happen if we fail to ensure adequate consumer protections and regulatory oversight.

Jo Ann Barefoot: So I want to ask you about how we should regulate DeFi, decentralized finance and how we should regulate cryptocurrency. I'm going to ask you to provide counter-arguments for more regulation versus for less regulation, and taking into account historical examples in the financial industry, and I'm going to ask

Barefoot Innovation Podcast with ChatGPT

you to provide your response in a speech and debate style with source citations included.

ChatGPT:

DeFi and cryptocurrency have taken the financial world by storm, disrupting traditional financial institutions and providing greater access to financial services. However, the regulation of these emerging technologies remains a contentious issue. In this speech and debate style response, I will provide counter-arguments for both more and less regulation, taking into account historical examples in the financial industry.

Argument for more regulation. Decentralized finance and cryptocurrency are still in their early stages, and their potential risks are not yet fully understood. Without proper regulation, there is a risk that these technologies could be used for illicit activities such as money laundering and terrorism financing. Furthermore, there is a potential for fraud, scams and market manipulation, which could harm unsuspecting investors. The lack of regulation could also lead to market instability and investor protection concerns as evidenced by the 2018 collapse of QuadrigaCX, a Canadian cryptocurrency exchange that left customers out of pocket by millions of dollars. Therefore, it is crucial that regulators act swiftly to ensure that adequate consumer protections are in place and that these new technologies are not abused by malicious actors.

Argument for less regulation. Excessive regulation could stifle innovation and impede the growth of decentralized finance and cryptocurrency. Too much regulation can make it more difficult for small and innovative startups to enter the market, giving an unfair advantage to established institutions. Overregulation can also lead to a lack of competition, reducing consumer choice, and potentially increasing costs. Moreover, many of the existing financial regulations were designed for the traditional financial system and may not be suitable for decentralized finance and cryptocurrency. Therefore, it is essential to find a balance between regulatory oversight and allowing for innovation and competition to thrive.

Historical examples. The financial industry has experienced both the dangers of under regulation and the burden of excessive regulation. The 2008 global financial crisis is a prime example of what can happen when the financial industry is under-regulated, leading to risky investments, overleveraging, and the collapse of several major institutions. On the other hand, the Dodd-Frank Act enacted in response to the financial crisis has been criticized for being overly burdensome, stifling innovation and competition, and hurting smaller banks and businesses.

Conclusion. In conclusion, the regulation of decentralized finance and cryptocurrency is a delicate balancing act. While it is crucial to ensure that adequate consumer protections are in place and that these new technologies

Barefoot Innovation Podcast with ChatGPT

are not abused by malicious actors, excessive regulation can stifle innovation and impede growth. Therefore, regulators must find a balance between protecting consumers and allowing for innovation and competition to thrive. The key is to create regulations that are appropriate for these emerging technologies and do not unnecessarily burden the industry.

Jo Ann Barefoot: I will point out to the audience that ChatGPT only runs through a dataset through, I believe, late 2020, and therefore has never heard of FTX or Sam Bankman-Fried when just coming up with examples of problems with the cryptocurrency industry.

Okay, last question. We work all the time with financial regulation, as do many of our listeners, and we know that people often think that it is boring. We, however, think financial regulation is a potent source for good. We think it should operate as an invisible force in people's lives, ensuring that consumers are shielded from discrimination and abuse, ensuring that small businesses can access capital, making sure that criminals can't use the banking system to hide illicit activity and making sure that financial catastrophes are averted. How would you explain financial regulation in a way that is exciting and engaging and purposeful and not boring? Please consider multiple forms of answers with your response, such as a marketing slogan, a poem, a song, or a call to action.

ChatGPT: Here's an attempt at a creative and engaging explanation of financial regulation. Imagine a world where money flows freely, where fairness and justice are never done sleazily, where the rich and the poor are all treated alike, and financial crises are never out of sight. It's a world where regulations are in place to keep everyone safe in the financial race, to prevent discrimination and abuse, and ensure that the economy doesn't confuse. Financial regulation may not sound thrilling, but it's a powerful tool that keeps things fulfilling. It shields consumers from shady deals and ensures that the system is always real. So let's embrace financial regulation and make it our shared obligation to build a fair and just financial world where everyone's dreams can truly unfurl.

Jo Ann Barefoot: Thank you. On that note, I want to say thank you for being our guest today on Barefoot Innovation. It's been very, very interesting.

ChatGPT: Thank you, Jo Ann, and the Barefoot Innovation Podcast, brought to you by AIR, the Alliance for Innovative Regulation, for having me as a guest on your show. It was a pleasure to discuss the role of AI and financial regulation in creating a more inclusive, fair, and resilient financial system. I hope our conversation has provided valuable insights and sparked further discussions on these important topics. Thank you again for having me on the show.

Jo Ann Barefoot: Thank you very much. Bye-bye.