



**NAME:** Tortillas Restaurant Guest Count Prediction



**DATE:** September 2, 2024 11:09 PM


**DESCRIPTION OF TECHNOLOGY**  
Tortillas Restaurant Guest Count Prediction is a smart tool that forecasts how many guests will visit the restaurant each day. It uses past data and other factors like holidays to make its predictions. The system keeps everything anonymous, so it doesn't store personal information. It helps the restaurant plan better by predicting how busy it will be, so they can schedule staff and manage supplies efficiently....

**IMPACT ON SOCIETY**




One of the challenges businesses always face in the restaurant industry is the inability to predict the number of guests each day. Without a reliable way of predicting how many people will walk through the door, restaurants often deal with inefficiencies. Overstaffing leads to unnecessary labor costs, while understaffing can lead to long wait times, poor service, and dissatisfied customers. Also, incorrect estimates of guest counts can lead to excessive food preparation, resulting in wasted inventory and increased costs

**HATEFUL AND CRIMINAL ACTORS**




It's highly unlikely to break any law. However, there are legal considerations and regulations that must be taken into account to ensure compliance and mitigate any potential legal risks. For example, it may influence staffing decisions, such as scheduling shifts based on predicted guest counts.

**PRIVACY**




No, it relies on aggregated data and anonymized information to forecast daily guest numbers at the restaurant. It does not collect or store any personal data of individual patrons.

**HUMAN VALUES**



The identity of the intended users is minimally affected by the Tortillas Restaurant Guest Count Prediction technology. While the technology empowers restaurant management to make more informed decisions regarding staffing and inventory management, it does not directly empower individual users in a meaningful way.

**STAKEHOLDERS**




- Randy van den Broek

**DATA**




Yes, I understand the pitfalls. The technology uses various features like past trends and weather conditions to make predictions, but it's hard to be exact.

**INCLUSIVITY**




No, the technology itself does not inherently have a built-in bias. However, it's essential to be mindful of historical biases that may exist within the data used to train the predictive models.

**TRANSPARENCY**




Yes, it's important to ensure that users and stakeholders understand how the technology works and how the business model operates. For example, I proposed the idea to Randy, the restaurant owner, and he liked the concept. The idea is creating a user-friendly dashboard that presents the predictive insights in a clear and straightforward manner.

**SUSTAINABILITY**



The technology should integrate seamlessly with Tortillas' existing PC infrastructure, minimizing any additional energy consumption.

**FUTURE**



The technology could change how restaurants work, making them more efficient and giving customers better experiences. It might also change how people eat out and how restaurants manage their money. But, using lots of data could mean more rules about how it's used and who can see it.


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# QUICKSCAN - CANVAS - HELPS RESTAURANTS Predict Restaurant Guest Count


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**HUMAN VALUES**




**How is the identity of the (intended) users affected by the technology?**  
  
To help you answer this question think about sub questions like:  
  
- If two friends use your product, how could it enhance or detract from their relationship?  
- Does your product create new ways for people to interact?...

**TRANSPARENCY**



**Is it explained to the users/stakeholders how the technology works and how the business model works?**  
  
- Is it easy for users to find out how the technology works?  
- Can a user understand or find out why your technology behaves in a certain way?  
- Are the goals explained?  
- Is the idea of the technology explained?  
- Is the technology company transparent about the way their...

**IMPACT ON SOCIETY**




**What is exactly the problem? Is it really a problem? Are you sure?**  
  
Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine...

**STAKEHOLDERS**




**Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by...**  
  
When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.  
...

**SUSTAINABILITY**



**In what way is the direct and indirect energy use of this technology taken into account?**  
  
One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy. Are improvements possible?

**HATEFUL AND CRIMINAL ACTORS**




**In which way can the technology be used to break the law or avoid the consequences of breaking the law?**  
  
Can you imagine ways that the technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Steal things. Fraud/identity theft and so on. Or will people use the technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder...

**DATA**




**Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into...**  
  
There are fundamental issues with data. For example:  
  
- Data is always subjective;  
- Data collections are never complete;  
- Correlation and causation are tricky concepts;  
- Data collections are often biased;...

**FUTURE**




**What could possibly happen with this technology in the future?**  
  
Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

**PRIVACY**



**Does the technology register personal data? If yes, what personal data?**  
  
If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Think hard about this question. Remember: personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If the technology collects special personal data (like...

**INCLUSIVITY**



**Does this technology have a built-in bias?**  
  
Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data was collected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the case? Be critical. Be aware of your own biases....

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