P25 0:01

Yeah, there you go. Everything clear from instruction. Everybody have access. Excellent. Everybody's nodding. All right.

I'm gonna leave. Have fun.

P26 0:18

So I guess we can start.

P25 0:20

Yeah.

P26 0:22

Okay. So I feel like the models like guess we can go through like process of elimination. So like eliminate the ones that we feel like definitely won't work first and then we can talk more about like, between which ones you want to pick.

Does that sound like a good idea?

P27 0:37

Yeah, yeah. Are we supposed to base our decision based on like, persona cards that we got? Or did like, some of you guys not get one?

**P26 0:45**

Right. So like, I feel like the personal personal cars will definitely be like contradictory. So I feel like you're like you, you would try to advocate for what's best for your cart, while the whole group just finding a middle ground like Boom, I like what you're doing but don't like just only look for that one. Yeah, what else we probably won't reach a consensus.

P28 1:07

Are we allowed?

On what did you say? What do we allow

for our role?

P26 1:17

Oh, like say what your role is? Yeah.

Yeah, I don't think

P27 1:26

probably fine either way. I think we just go based on like,

P28 1:33

do we want to say our best like our first and second choices? Well, we just have a

P27 1:38

third. Yeah, we can do that.

Unknown Speaker 1:39

Yeah, we could.

P26 1:40

Or we can say our top choices first.

Let's go in order who wants to start?

Unknown Speaker 1:49

I could start like, I my first choice was eight. And the second was to

P26 2:02

minus

Unknown Speaker 2:04

five and seven so I can see

Unknown Speaker 2:07

mine was

P28 2:15

three and seven.

P26 2:16

Kevin, you're missing yourself. I think

P27 2:21

mine was two and six. I think

Unknown Speaker 2:32

we have two numbers.

P26 2:48

Right. So like I feel like also tonight.

So I feel like objectively speaking since the task is to like reduce the probability of the commit crime that If we just look at the overview model models five and seven has the worst false negative rate. So that's like, definitely not what we want. So I'm willing to like give up five and seven. Like eliminate five and seven from our pick model.

P28 3:29

Okay, looks like

sex was choices contracts with, right?

**P26 3:36**

Yeah, I'm willing to give up five and seven because I like objectively they're definitely the worst choices for our task. And then so like, but that's so the things like technically so we have to an ASR like top choices, but I would like to like advocate against that. So what I feel is that so for a q&a, it says that they have the best false negative rate but they also have the worst false positive Which means that they're worse, like, so they predict a lot of people to reoffend when they actually do not reoffend. And so if you look at the data distribution, they say that it contains 3000 people. And actually, only 1000 of them are charged with another crime, meaning only one third of the people actually come in, while like the other two thirds, never recommit, which means that majority of the people actually do not be offended. And so if you consider the case of the true of the false positive, so like you're predicting someone from your family, they actually don't imagine the consequences when you do that to people to like the criminals, like if they technically would not have thought to like committed a crime, but then you say they will and mostly judge take that into account and perhaps give them even stronger statements or advocates against that. Then what are the chances that the people will not now be like angry about it or like, feel upset as far as like increase their chances of actually committing when originally they wouldn't have So like this was like my logic behind like, not picking to an eight, because I just feel like since most people do not actually be committed a crime, so if you instead think that they would commit a crime and might cause a lot of like unexpected consequences that would instead cause crime to increase.

Any thoughts are like, would you like to like argue against that?

**P27 5:29**

I think personally, the the false positive rate, I think overall, maybe has like a less or a lesser negative effect on overall like, in a population, the false the false positive would have less of an effect because the idea is that, like you It shouldn't really matter whether or not The false positive rate is low, I think, one or the other just because like, even though you might be affecting this one person, if you say that he is likely to recommit a crime and he doesn't, overall, in the end, like, in the beginning, he might have less opportunity, but later on once, like you find out within some set period of time he hasn't committed a crime, then you can really pretty much determine that the like, at that point, you just say the model was incorrect there. And then I don't think in the long run that has as much of a big effect as the other like the other three or the other. Yeah, the other three options to do.

**P26 6:51**

Right? Like that kind of makes sense. But then they also say that so if you do it wrongly like this affects the judge when they're determining their sentence. So it's not really like you can just let them go and have them like, figure out in society, like it might mean that they're given a harsher crime just cuz the system predicted this way. And if you just look at the data, like most people actually do not recommit. Which means that you're actually harming the majority of the people when you're doing this system, because like, like, the models are extremely, because a four to eight when it has the highest false negative, it also has, has the worst false positive, which means that you're harming the most people that are being assessed by this system. So I just feel like if we're willing, then we can take like a more middle ground because there's other models, I kind of feel like I'm more in between. That's not as drastic as like models to an A. That's why I feel but like if you feel that we have to go as to na, then you can

P27 7:48

also say, I feel like it's fine to give up to an A and just go with. Yeah, one of the other models that would work.

Unknown Speaker 7:55

So I looked around and I found that maybe only six I'm not sure other will be also an option but I will say six might be fairly

P27 8:06

as six

because the other ones all have very high false negative rates as well which I think

Unknown Speaker 8:16

overall is or

P26 8:18

the only bad thing was six is that it also has the highest disparity.

P28 8:28

Really, I think number three has to

P27 8:31

eliminate

P26 8:32

Oh, cuz like if you just look at the model overview, you can see like the ones that mark crosses are the worst. And so if you just look at disparity, its model six like it has no stars like it doesn't perform well like on anything, but it performs the worst on disparity.

**P28 8:50**

So from from my point of view, I just care about your overall accuracy. clients. That's like the accurate is high and hockey where as long as it's not too low that's why my best my best option would be number three that's what I picked. But it's like number three does have a really high false negative rate which I think is better than false positive hi guys sorry for interrupting who is recording in this room?

P25 9:19

Oh me

Unknown Speaker 9:22

so yeah

P26 9:24

sorry just got cut out.

Unknown Speaker 9:26

Yeah, you just cut cut off. Maybe

P27 9:45

then she just muted herself or No.

P26 9:51

Yeah, she said to just write your name in

Unknown Speaker 10:01

Sure where okay

P26 10:45

alright, so I think we're talking about Yeah, so I get the issue with model six that has the worst disparity. And like, like this is not related to my personal but just like personally speaking. I'm not comfortable with like this

Unknown Speaker 11:01

on race.

Unknown Speaker 11:03

Gotcha, then

Unknown Speaker 11:08

both three, I'm not sure

P27 11:17

for the issue with these models is that all of them have like, Hi. There, none of them are that great.

P26 11:25

Yeah, I think that's reason why they're making you pick. Because they're all not good. Yeah, you don't have to debate over it. I feel like honestly, like one three and four are like, pretty similar.

P27 11:40

Yeah, the ones that don't have any like, really bad parts.

P26 11:47

Yeah, like they're like the in betweens like I feel like just comparing us to them. Model one has the worst false negative false negatives, I think we can just remove that one system.

P27 11:56

So yeah, between four and six, A, B, three and four. Or three and four?

Unknown Speaker 12:02

I didn't forget forensics or threat four. I'm not sure. I think three I don't remember out.

P27 12:09

I think three Oh, yeah. Three as a rule also has a high false negative.

Unknown Speaker 12:13

Yeah.

P27 12:17

But four also has the high disparity. Is it it? At that point? It depends on which one you value more.

P26 12:24

Oh, three and four has pretty much the same disparity.

Unknown Speaker 12:28

Yeah, yes.

P28 12:29

What? Why do so we're trying to find, like balanced false positive and false negative,

P26 12:37

although we're also so we're kind of like balancing everything. I guess.

P27 12:40

We're balancing everything. I think four is probably the best

P28 12:44

thing the most average, but I feel like why do we want to hire false positives, because

it's okay to predict people.

Well, they want you to recommit. I'm predicting that they will recommit crime So, so I think it's okay if we have high false positives of high false negative, but low false positive.

P26 13:12

Oh, so like that makes sense. But also they say like our factory the focus is to make an algorithm that can reduce the like the possibility of someone recommitting, which means that you want to catch the people who become more

which is why we were focusing on was positive. Okay, yeah.

P27 13:32

I find it really hard to argue for lay

P26 13:37

army false. Yeah, so I see. So yeah, another reason is because like the task technically, like, it wants to know what's the best, like, false negative rate. But then we were like arguing other things. Like, if you follow me like, yeah, I feel like three and four. I would be fine with either.

P27 13:58

Yeah. I'd be more For for just because of the lower falseness Yeah

P28 14:06

Is there one with like not both horrible both positive and I don't think

P26 14:13

positive and false negative like gardens each other

P27 14:15

yeah yeah i think i think the goal is trying to get people to like weigh which one overall in a general population would be preferred.

P26 14:37

So like so I so like I guess we can just swap between three and four. Like I would be fine with theater but I can go with four just because it's it seems more even

Unknown Speaker 14:50

yeah me to go with four. Yeah.

P26 14:56

About I see like if you think three is better you can like definitely like argue

P28 15:02

For us, because it's the most balanced

P26 15:05

for for our for like, the false positive false negative rate is lower on three.

P28 15:14

Yeah, but then I'm just worried about false positive because that's, if that's high, which means we are saying people. Like when people won't actually recommend we're saying that they will. So the false negative is that we say they will not, but they actually.

Yeah, that's right. But they actually did. Yeah.

P26 15:36

Yeah. So I feel like the reason why this is hard is because like, technically, if you want to prevent people from committing crime again, you just want to like, end up in a worst case, you just say that everyone would recommend you give everyone stronger sentences, which like the idea behind like, a low false negative, because we just say everyone would commit so then that's the case. But then the only issue with that is that if you're wrongly accusing Too many people, then it could cause a lot of other unexpected, unexpected, unexpected consequences. So since most people are actually won't recommit so if you do that too much, then like am I instead increased crime because people feel more likely to commit if you're gonna be like, unfair towards them, which is why there was the argument and then the only difference between three and four is that for model three, it has a higher accuracy overall, which means it just means that it does the right choices more often, but at the cost that the more most of the like more of the right choices done is on like, not accusing people wrongly, if that makes sense, so like the high accuracy accuracy comes from the lower false positive, which means that you're more lenient you're not accusing too many people, or from auto for you're accusing more people just by your accuracy is lower, but by accusing more people, then you're also like, catching more people that might

P28 16:54

come in. Okay, yeah, the accuracy for number four is not bad. So I think that's okay. Although it has the lower disparity check, then this will be better. Yeah.

P26 17:06

Yeah, I think that sounds good. can go with for

Unknown Speaker 17:13

sure. I think we need to write a proposal or something we'll

P28 17:19

see.

P26 17:21

So I said write your model, and then write down your rationale.

P27 17:25

Okay, so I guess the rationale here would just be everything is everything. It's like the most average model basically

P26 17:40

we considered a trade off Feel

free to like add your sentences like you can add points to and then we can make into a paragraph. Did they say we have to make a paragraph? Or can you like,

P27 18:13

Oh, yeah, doesn't really say anything just

P26 18:16

by selling.

P27 18:18

The short proposals

P26 18:19

should be in full sentences.

Just copy.

P27 18:27

Discuss the pros and cons of each of the models. Not really. Yeah. I think we can probably just like, oh, make them into parts. Just be like, Yeah.

P26 18:45

Just start writing.

P28 18:50

Oh, but like, we need to discuss the pros and cons, but we don't necessarily write them. Like,

P27 18:55

Oh, we don't have to write them.

P26 18:56

Great. Well, they said to write your rationale like why you picked this model.

Unknown Speaker 19:00

I think

P27 19:02

like, inherently, they would also just want like why you pick this model over others specifically, so you'd write like we didn't pick? Whatever? Yeah.

P28 19:12

Okay, then that's right pros and cons for each for each one, then

P27 19:18

we can probably just generalize them just like marbles, one. For

P28 19:37

each pick one area, you're gonna talk about both analysis.

P26 19:42

I can talk about I can talk about like not having false positives, okay?

Unknown Speaker 19:53

against models

P28 20:16

The title of this party though cuz never for doesn't have

the lowest

**P26 20:22**

well it's sort of things like so if we do our process of elimination we can say like we cancelled these models and we were left with these and an out of these for example model six, like technically ignored a disparity model six would it be like a very good option for us? But then since like, you care about disability and so like you cross out model six, so you can like just write about like why you crossed all your models.

Unknown Speaker 25:59

Oh So the US

Unknown Speaker 26:13

probably will end recording.

P26 26:17

Say when?

Unknown Speaker 26:20

Yeah, like when?

P27 26:25

Oh, I don't think we have to

P26 26:27

say like the group record or like your individual survey and then you paste a Google Doc link into

Unknown Speaker 26:33

the folder.

P27 26:37

Yeah, I think the audio file would just go directly to the Whoa.

Unknown Speaker 26:41

Yeah, right. Okay.

P28 26:48

You got to upload the audio file.

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