**INE2002 - Section 3-20230306\_113734-Toplantı Kaydı**

6 Mart 2023, ÖÖ08:37

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 **Sabri Tankut ATAN** 0:15  
OK. And you should be all seeing the syllabus?  
So for those of you who don't.  
But don't know me.

 **Sabri Tankut ATAN** 0:33  
My name is Tankut ATAN. I am in in the engineering building next to GULHAN Jazz desk. We are in the same office.  
And I've been with the by which matches your university since 2018.  
Some of you may have taken.  
Tactical thinking from me.  
Uh, so some of you may have already met me before. My e-mail address is has Sabri in front, but I don't use Sabri so you know I'm not Sabri hoje. Actually, I'm tankut, so I use that name and I have announced my.

 **Sabri Tankut ATAN** 1:16  
Office hours is 10 to 11 on Wednesdays and Thursdays, but I'm in the school almost every day, so if you see me in the office, you can always come by. I respond to my emails pretty quickly so you can send me e-mail messages.

 **Sabri Tankut ATAN** 1:36  
I should be responding to them in the almost in the same day during the same day.

 **Sabri Tankut ATAN** 1:42  
Uh.  
Your messages you are gonna send through its learning. I will respond to them with some delay because I don't get notifications on it's learned so.  
I have to log in to see those messages.  
Ms. teams, I get notifications, but it's kind of a hassle, right? They may still says, oh, you have a new message, etcetera. So e-mail is the best, quickest way to contact me.  
I have asked to merge all of the sections on its learning, so you'll see only one course card on its learning regarding this, this purse and everything will be posted with enough today, though today we have three separate ones, but they will be merged and I will post everything in for there. So I mean I've already posted the syllabus and some information about Khan Academy.  
Which station which I will talk about in a moment.  
But anyway, in the next few days, those courses, those sections will be merged only on its learning nowhere else. So I missed teams as three different sections.  
So.  
Let's talk about this course.  
Uh, I mean, four office hours. I'm saying by appointment. And because I'm not sitting during my office hours, I'm waiting for the students to show up.

 **Sabri Tankut ATAN** 3:19  
In the last 5-6 years, students who showed up during the office hours are only a handful, so you are not really making use of those office hours. So I, but if you make an appointment, I will make sure that I'm there. Otherwise I may just go ahead, coffee somewhere etcetera. So.

 **Sabri Tankut ATAN** 3:39  
Just make sure to get an appointment if you are really interested in physically meeting with me.

 **Sabri Tankut ATAN** 3:48  
This student just came before the lecture and said that it happened also in the other section. Ask me whether.  
The she and he puts listen to the lecture. During this hour. It's fine with me. I will be repeating the same stuff three times in all the the the same lecture every week.

 **Sabri Tankut ATAN** 4:09  
OK, in all of the sections, but officially the officially you have to be registered somewhere.  
So I know I I cannot take you from one section and put you in another section. That's not my responsibility that I don't have that power. OK. I don't do that anyway. I mean registration etcetera is separate independent task of me. But as far as the lectures go, you can come to any lecture. It's fine with me.

 **Sabri Tankut ATAN** 4:42  
As you may have already heard.  
Uh.  
Attendance is of no matter the semester.  
So in in all the courses, so you are not gonna fail any course due to not attending.  
OK, so there's no NA.  
Yeah, this semester.  
And I particularly didn't care about the tunnels anyway. We just do it because you have to answer student. But I migrating is not affected by attendance anyway.

 **Sabri Tankut ATAN** 5:18  
So that's that information. Let's go to the.  
Grading part.  
For those of you who came late, I I I'm. I'm waiting for Technical Support, but for now you can just.  
The go to Ms. teams on your phones and check out the syllabus on your telephone.

 **Sabri Tankut ATAN** 5:43  
There is a book reference book, but I guess really it's a textbook for this. This not just a reference book by Bluman elementary statistics. The library has its own reserve and you can always download it from the Internet. That's how I actually found the textbook myself.

 **Sabri Tankut ATAN** 6:04  
So my slides are.  
Almost a replica of the textbook.  
I'm saying almost maybe in some places I may have added a few other things I just but.  
And for example, I don't have all of the solved examples in the book included in the slides, so I really recommend you to actually study from the textbook.  
Sliding, no course can be.  
The main source for learning because they are summaries they have, they don't have all the details. So just studying from the slides is probably not a good idea.  
As a student.  
There are some other references that I've listed there, the top one for by Montgomery is the old textbook in this course.

 **Sabri Tankut ATAN** 7:03  
Uh, that textbook at this.  
The head materials both at the graduate level and undergraduate level makes so it was kind of confusing to the students. So should I study this? Should I not study this because some topics were more advanced and especially students who didn't come to the lectures were having a hard time distinguishing what material is needed for for studying. So we kind of dropped the textbook. We say good textbook actually so.

 **Sabri Tankut ATAN** 7:34  
We have two more references by Rose listed there. So how about the grading? Let's talk about. So what's expected from you this semester?  
Uh, well, final example obviously.  
And by Yorks regulations and final exam has to at least carry a 40% weight. So therefore my exams, my final exams are always at 40%, because that's the minimum.  
Now in the in the midterm exam, which is 20%.  
Now is the far as the midterm exams go, we are going to hold until April.  
Before giving any midterm exams, everybody will, because you've said that. So after the earthquake, they said all courses will be online, but we will come up and say, hey, April, how the rest of the service team will go so.  
Depending on the Yorks announcement we may have online or face to face exam little sleep, but we don't know it. OK. So therefore therefore the format of midterm exam is not known.  
It it would be online in some of your courses it could be take home. Not in my case it will not be a take home. Make sense. It will either be online or face to face. And if it's the choice of mine it will be face to face.

 **Sabri Tankut ATAN** 9:13  
But we don't know yet if it's online. I will activate it online.

 **Sabri Tankut ATAN** 9:18  
So probably time limit. So it's take home is different, right? Like you have a longer time frame than it's like approach but.  
In my case it will either be online or face to face with the choice in mind it will be face to face.  
Uh, and regardless of the format, it will be together for all of the sections. That would mean it would be after 5:00 o'clock or three sections together. And so that is a later decision.  
Is thy moments. I will talk about them briefly in a moment.  
So alright, I can talk now. That's fine. They also carry a rate of 20%.  
Now my assignments are through Khan Academy.  
OK. May you may have heard of Khan Academy.  
Uh, so there will be some online web exercises which are basically lectures by Khan Academy that are related to statistics which I want you to complete. There will be 8 assignments.  
The I've taken the statistics related modules.  
Split them into 8 portions.  
And so they're kind of in parallel to this course, more or less. So, like every two weeks. Actually, each assignment will have a two week time as a deadline. But I kind of will start giving assignments every week.

 **Sabri Tankut ATAN** 10:59  
So but.  
Do after two weeks.  
So there will be 8 of them.  
Probably starting the third week.  
Next week, we will, after the lectures. Probably after that I will start giving the assignments.  
Now.  
To be able to do the assignments you need to register for the Khan Academy.  
And I mean, I have this document on.  
The again, I'm gonna share it through Ms. teams.  
So this document is also on its learning, but when you go to college, cademy dance or slash join, you'll be asking what's a minute 368.  
I.  
Each character long classical, which is given in this document.  
So once you enter that class code, it may ask you for some registration details like an e-mail address. You need to register with your butcher share e-mail apps batcha share.edu dot TR. OK, so once you register I will check the list that anybody who doesn't have a valid extension Gmail Burcu share.edu which is not your extension etcetera. I will kick them out.

 **Sabri Tankut ATAN** 12:31  
OK, you may get a a notification or not, but if you are not entering the extension right I will kick you out. No personal e-mail addresses.  
And make sure that your username is correct, otherwise you will not be able to get the notifications and after I process that information I will assign you to a class.  
OK, not this one. This this one is also a class, but you will start receiving emails either from Kanwan or Khan two or Khan three. So don't be surprised. Those are classes that I have.  
Treated on the side. I'm gonna split you into groups. Everybody will be doing the same thing, but it's needed for reporting purposes.  
Anyway, so now you will start receiving notifications. OK, this homework is due by this date etcetera, etcetera and what the Simons are. It will tell you something like you have four TAS assignments due in two weeks and it can't say everything. So it says 40 because you need to watch a video. You need to answer questions, review questions, etcetera. So it counts everything as one object. So it tells you like 4050, but these are not like things that can be done in 10 minutes or 20 minutes.  
You will have to set aside a few hours, OK.  
You can do it in portions, but they are not like ohh I can do it last minute type of thing OK.  
And the grading is whatever. But if you tells me your grade is.

 **Sabri Tankut ATAN** 14:12  
Because there is a certain number of.

 **Sabri Tankut ATAN** 14:15  
Uh, and more points given by conquering like each module. Let's say that module has 2000 mastery points. That's what they're doing.  
So those mastery points are earned by doing these activities. Each activity carries a certain number of points.  
And if you get all those 2000 points, then you will get 100% and your grade will be 100. Actually I do a rounding up so 86 is 1971 is 75 so I always rounded up 7078 is 80 but 81 is 85. Anything above 90 is 100.  
OK. But.  
But the way it gives these the works is kind of tricky. I don't know how it doesn't, but it these are multiple choice questions. If you get it right in your so you can actually go through this without learning anything. Try the first options, try the second option. Try the third option, fourth option, fifth option and you can tell you got it right. But if you get it right in the fifth option, fifth trial, then you get less points, probably almost nothing.  
So getting it right the first time, Cherry is more points and it does get controlled by China cademy not me. So I mean you can try to use these shortcuts. I know some people will, but you are not gonna get full points just because you got the right answer.  
Because getting the right answer is easy, right? You just try the first option. It says no, you are wrong. You try the second option, it says no, you are wrong 3rd, 4th and then you wait right in the fifth option anyway. But you don't get many points.  
Or if you Fast forward the video it recognizes and it gives you less problems. So you need to listen to the videos at a normal space.  
OK, so you lose points by speeding it up. As far as I understand, but I don't care because I just give you a grade as reported by China Academy.

 **Sabri Tankut ATAN** 16:29  
So there is more of this explained actually at the bottom of this document that I'm sharing now how this unit progress is being calculated. That's the whole if we don't have more information than this, that's what the frequently asked questions of connectivity says.  
Uh, and the other thing to be careful about these assignments, CES.  
Do the English version, not the Turkish version. I mean if you wanna understand something that's.  
The.  
Yeah, like in English, if you have difficulty understanding it, you can go to the Turkish one, listen to it. But the there's a cake, apparently. Apparently they haven't translated everything into Turkish.  
So I am gonna assign you this English from English communicating homework, but the Turkish one only has so many activities. Not all of these because they haven't been translated.  
That's what I understand from. So even when you complete the Turkish one, you don't get 100%.  
Because you are only doing a subset, you are not doing the full set and it says here when I check your grade it says this still has not attempted this activity. This activity that activity. Why? Because it's not in Turkish. So if you do the Turkish one, you may be missing out some activities and you are not gonna be able to get this 100%.  
Just be aware of this.  
This is something that.  
It's kind of weird, but it's like that.  
So eight of them, as I said, and they carry 20%, they're all very good for learning.

 **Sabri Tankut ATAN** 18:16  
You will listen to some of the the topics from somebody else's perspective. For me, I lecture, but then.  
Without the founder of the kind of credit, that's his voice all the time, he lectures as well on certain topics, so you get to hear the same stuff twice.  
The term project the term project. It will be a group project for which the details will be announced later on.  
And we don't know the semester how the groups will be formed. Last year, we only allow groups within the same lab section, only with from within the same lab section. OK.

 **Sabri Tankut ATAN** 19:01  
We will see, but this whole thing is organized by gulfem. Gulfem is the assistant of this course Gulfem air. She must have already sent you a notification about this week. There will be no laps.  
Anyway, so she will be telling you more about the details of the project, not right away, because the project to be able to start the project, you need to 1st learn the contents of the course because the idea in the project is you find the data set.

 **Sabri Tankut ATAN** 19:34  
Your own data set as a group and then apply everything you learned in this course to this data set.  
But OK, whatever you are going to learn the semester where you are basically going to apply to that data set. Or you may have the several datasets and the day and basically your first responsibility in the project will find that data set and the rest of it is kind of more or less automatic. Go. OK, taking averages. Let's do that. Let's do this, et cetera. And then type up a report.  
Uh submitted through turn it in.  
And you also have a brief like a 5 minute presentation at the very end of the project. I actually this is probably the best learning exercise because you will apply everything you have learned to data set. So unless you have not studied, you cannot really do this.

 **Sabri Tankut ATAN** 20:36  
Now if you add up the weights in my course, it adds up to 105.  
Grading and evaluation so that additional 5% is squeezes.  
So every week after the lectures, I will start an online quiz. It's learning.  
It will be open like until the end of Friday probably, but it a few days at least.  
And you will have two attempts and these are just.  
Review questions from the slides.  
OK, basically.  
You can have the slides open the book open and try to answer the questions by looking.

 **Sabri Tankut ATAN** 21:17  
And you will have two attacks, OK, not just one attempt, but two attempts. So at the end of the first attempt, you get to learn how many mistakes you have. You can go back and start over and answer it again.  
Uh.  
I'm just as 5% they extra. I mean normally if you do your job properly, you should be getting 100 from all of them when you have the slides open, right? I mean, yeah, you may be asked to use your intelligence little bit in some of the questions but and they are really the answers are mostly in the selects.  
So anyway.  
And this is gonna be a long line. I mean, I really recommend it.  
Try to do it yourself. I mean obviously I'm aware of that you're here. You you can do it with your friends. They are the same questions, etcetera. I'm I. I find some value in discussing the answer of a question together with friends. Right. So what do you think about this? So this is that. So maybe that discussion teaches you something as well.  
But uh, you know.  
Yeah. If somebody tells you all of the answers.  
You will not learn anything.  
I mean, at least try to do this in your second attempt. The first attempt you try yours and then second attempt you ask your friend or, but maybe try to learn, because eventually it's about that it's not about your brains. My grading is standard. I don't 2 curves.  
90 and above is a 85 to 90 is a -, 80 to 85 is B plus is such a so 50 to 55 is a D plus.  
Uh passing grade is normally 40. Last year it was 35 English course. It's not gonna be lower than 35, but I'm not making that announcement. But like just telling you this because what to expect.  
Uh, so there will be a large.  
The range 35 to 50, maybe like 15 points is just for this and there are plenty of them. If you don't do enough.  
And then 50 to 55.  
Is a D plus and it goes on like this 90 and above is and a no exceptions.  
If you are in 89, you are in 8 minutes.  
If you are in 84, you're a B plus.  
OK, so be aware of this of no curves.  
You know it now, just check your overall average I I post these things regularly using Excel.  
So looking at your overall average, you can actually.  
No, your letter grade more or less.  
So.  
That's dead.  
Any any.  
Any questions? Are there any questions? Let me should also check Ms. teams maybe and so.

 **Sabri Tankut ATAN** 24:23  
So there there doesn't seem to be any questions or Ms. teams.  
Uh.  
The next 5 minutes, I mean it will be short of 10 minutes. I will.  
Give you a very brief overview of what statistics is OK. The whole stuff that we are gonna do this semester.  
Boils down to what I'm gonna tell you, and let me tell you also another thing. This is this course.

 **Sabri Tankut ATAN** 24:53  
Most of you are either.  
Uh engineering management students or industrial engineering students, but there are some other.

 **Sabri Tankut ATAN** 25:01  
The students from other departments as well.  
But arguably, and I'm not saying this because I'm the teacher of this course.  
This is one of the most important courses in your curriculum.  
Maybe the most important person because.  
It.  
Because they applied everywhere.  
OK, regardless of the sector.  
Like all these other technical stuff, taking integrals, derivatives.  
The linear algebra this and that that you see a lot of technical courses, many of them you will never use.  
Really, you will never use them, but this statistics is used everywhere. I mean, I like polls for elections and medical research.  
Medical research.  
Like when we were talking about is this.  
Vaccine any good? They were all based on statistics that you are learning in this course, not nothing more advanced. OK, nothing more advanced. They just provide the data, do some calculations. Actually the people does it for them.  
And that's it. Then. Then you. They they look at the results and make some conclusions looking at these results.  
And so all these doctors, etcetera, when they publish research article, is this medical treatment effective? Is this medicine effective? They are all relying on statistics, maybe even tactics. That's what I've said. Anything you like, you you are gonna do sales analysis.  
You are going to measure the effectiveness of the campaign, it campaign, etcetera, which every capitalist is tuition out. There is the, you know, focused on sales numbers etcetera or advertising. It was this advertising effective.  
You do study groups etcetera. So 76 is very important and the stuff that people do out there are nothing more advanced than this. So what you are going to learn is actually applicable the way it is to real life, the real data.  
So that's why it's important. So this is probably one of the courses that you will be using the most in the future.  
As an engineer or whatever salesperson or marketing person, etcetera. So try to learn these things and it says 4 credits, right? So it's also impacting your GPA more than the other person. But what is statistics?  
So.  
In real life you have you ask several questions about the population.  
I mean, and when we say population, we think of human beings that say, but.  
Here, in more abstract terms, the population means a set of objects for which you have a question.

 **Sabri Tankut ATAN** 28:12  
Like elections are coming and natural question is what are the percentages of the parties, right, so.  
And you have all these people doing that research. Well, what's the percentage of? OK, what's the percentage of Japan, etcetera, etcetera. So I mean normally you would go out like if you want to perfect information you want to go up and ask everybody above 18 above the age of 18 which we would call a population because the question is related to elections. So the objects that we are interested in are people who can work.

 **Sabri Tankut ATAN** 28:54  
Asians 18 and above, so you will ask everybody.  
I don't know 50 million people.  
Well, there are two issues there. You don't have the time to ask 50 million people and you probably don't have the budget.

 **Sabri Tankut ATAN** 29:08  
Right, So what do they do?  
They take a sample.  
A small number of people, 1500. Someday you will in small letters they will tell you, OK. This survey was based on randomly chosen. I don't know, 1000 people from ages to 18 through 65, blah blah. So maybe you will see that information printed somewhere, but they all rely on just a few and just a few could be as small as 2030.

 **Sabri Tankut ATAN** 29:44  
Not really surveys, but in a statistical study, your sample could be down to 20 and 30, and if that satisfies certain.  
It's sumptuous in the analysis, then that's even enough.  
So small.  
Can be as small as 23rd, even 10. Sometimes, like with some medical studies.

 **Sabri Tankut ATAN** 30:09  
And they have really small sets.  
Anyway, so and then based on that sample information.  
Using some very basic theorems that we also will learn, you can make deductions about the whole population.

 **Sabri Tankut ATAN** 30:30  
Like based on your set observation of the sample, you with a certain probability make a deduction. Make a conclusion about the whole population and then you say I am 95% certain.  
That.  
Uh, 30% of the people will vote for our Cape, 25% of the people will vote for this etcetera. But you there is a probability attached to 95% ninety 8% depending on how you set up the study. It's also small skip. You never see anywhere. So there is always room for error but that's.

 **Sabri Tankut ATAN** 31:08  
All statistics is never.  
Take a sample, use and do some analysis and we will learn several types of analysis and we will different types of questions require different types of analysis. So we will ask those questions or we will learn what type of analysis is needed for what type of equestion.

 **Sabri Tankut ATAN** 31:31  
And then depending on these answers.  
You will make conclusions about the whole population.  
And doing this we are going also throughout the semester. We are also going to learn this our language by the way.  
So because all these things are actually done.  
With the help of computers, we don't do the manually. Even Excel has capabilities that stifle capabilities, but we are also going to learn R, which is an open source, very popular, very important, useful eventually later on as well. If you are working for a company. Since it's open source thing, you can always use it. You don't have to pay license fees, etcetera. It's very popular.

 **Sabri Tankut ATAN** 32:21  
It's a good asset to know.  
Uh, we only you'll see me. It will look good as well. Wow. I know. ER, I think it's important. And so we will use our. And so good Sam is going to solve the questions manually and then also using R.  
OK. And don't think of this as a programming language. I mean stuff you are gonna do is actually one line statements. So stuff like T test, Z test things, we are going to learn or know what something. And another thing that we are going to learn. So you just call the right function, ANOVA parents is your past the data and it gives you the results.

 **Sabri Tankut ATAN** 33:04  
Game which I printed in the books. You need to know how to interpret those results. What is this number? What's that number? Because it's kind of deciphered. It talks about the period. It talks about an our square, etcetera. So you will learn what P values in this course, but you need to be able to interpret that if if that number is 0.05, what does it mean if that number is 0.001, what does it mean? And then you can actually say, OK, you're looking at the statistic analysis. This is significant. I'm 95% sure.  
Blah blah, etcetera. So in our.  
I also ask in the on the exams, so there will be other related questions.  
Uh on the exams as well? Yeah, just.  
For your information.  
All right. Anything that you want to ask? Otherwise we are done.

 **Sabri Tankut ATAN** 34:01  
OK, there's no body asking any question on the chat.  
But thank you very much for coming.

 **Sabri Tankut ATAN** 34:14  
Alright, OK, I I'm done. So you can leave. Thank you very much.