

Assignment 5 - Groups

Interactive Data Visualization

SS 20

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General Information

will be extended at a later stage

Assignment 5

- Mini group project
- Group size: 4 to 5 students
- More space for personal initiative, creativity, ...
- More time
 - Preparatory work before 8th June 2020
 - Main work till 28th June 2020
- Submission + presentation
- Topic: Interactivity



Groups

How to find a group?

- 3 stages

Stage 1: free phase

students can form a group by themselves

Stage 2: “get in contact” phase

leftover students have to advertise themselves

Stage 3: final allocation phase

leftover students will be randomly picked together or added to existing groups

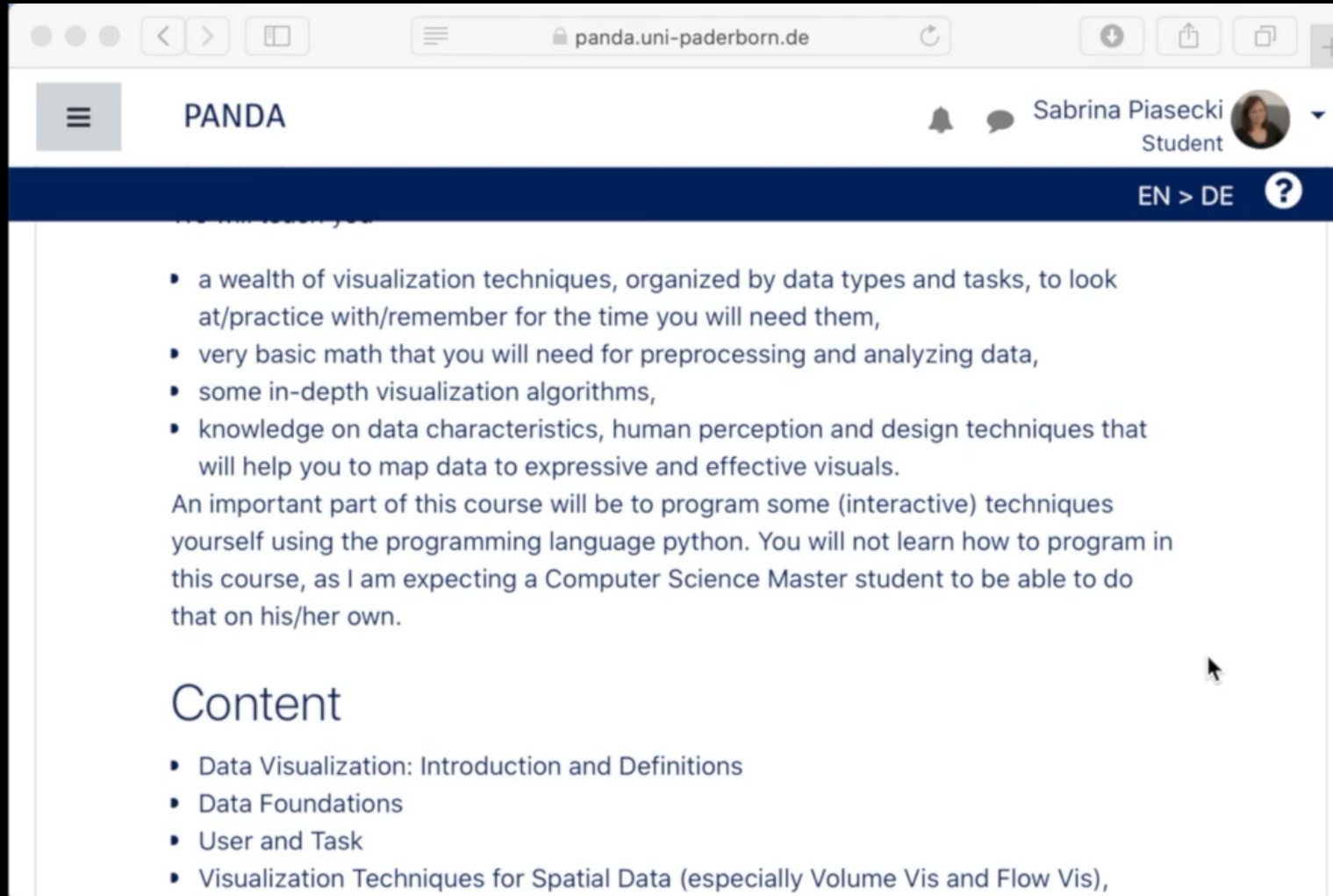


Stage 1: Free Phase

- Form a group by finding group members in any possible way
- Define your group on PANDA
 - PANDA > Assignments > Mini Projects > Groups for Assignment 5
 - See video on the next slide
- Define and submit a group name
 - PANDA via PANDA > Assignments > Mini Project > Group Name
 - one submission per group
 - Name will be updated (with some delay)
- No group found: join the group “no group in stage 1” on PANDA
 - See video on next slide



Stage 1: PANDA – Group



The screenshot shows a web browser window with the URL `panda.uni-paderborn.de`. The page has a dark blue header with the word "PANDA" on the left and a user profile for "Sabrina Piasecki Student" on the right. Below the header, there is a list of bullet points describing the course content, followed by a paragraph about programming in Python. The word "Content" is written in a large font, followed by another list of bullet points.

- a wealth of visualization techniques, organized by data types and tasks, to look at/practice with/remember for the time you will need them,
- very basic math that you will need for preprocessing and analyzing data,
- some in-depth visualization algorithms,
- knowledge on data characteristics, human perception and design techniques that will help you to map data to expressive and effective visuals.

An important part of this course will be to program some (interactive) techniques yourself using the programming language python. You will not learn how to program in this course, as I am expecting a Computer Science Master student to be able to do that on his/her own.

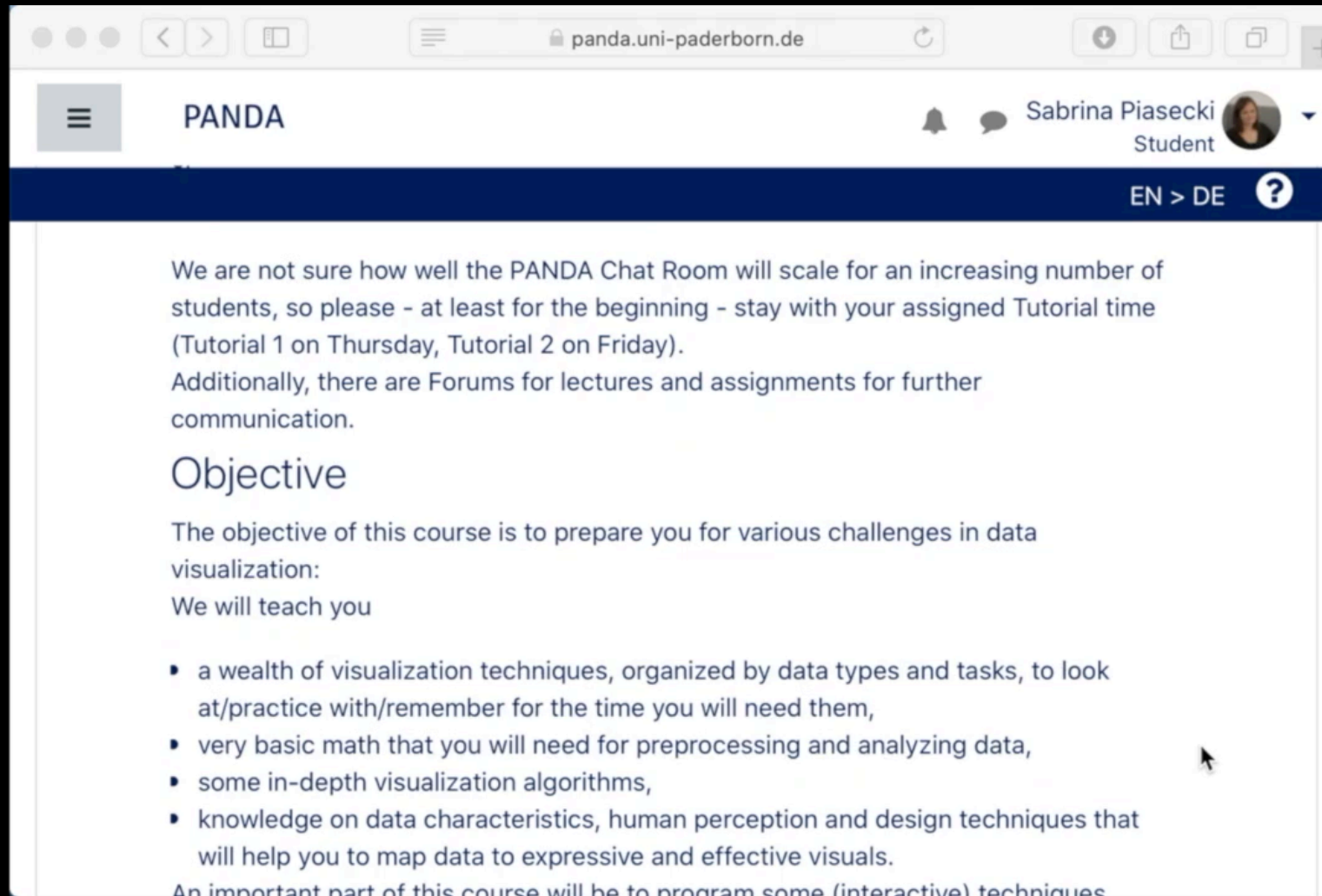
Content

- Data Visualization: Introduction and Definitions
- Data Foundations
- User and Task
- Visualization Techniques for Spatial Data (especially Volume Vis and Flow Vis),



Assignment 5

Stage 1: PANDA – Group Name



The screenshot shows a web browser window with the URL `panda.uni-paderborn.de`. The page has a dark blue header with the word "PANDA" and a user profile for "Sabrina Piasecki Student". A language switcher shows "EN > DE". The main content area has a white background and contains the following text:

We are not sure how well the PANDA Chat Room will scale for an increasing number of students, so please - at least for the beginning - stay with your assigned Tutorial time (Tutorial 1 on Thursday, Tutorial 2 on Friday). Additionally, there are Forums for lectures and assignments for further communication.

Objective

The objective of this course is to prepare you for various challenges in data visualization:
We will teach you

- a wealth of visualization techniques, organized by data types and tasks, to look at/practice with/remember for the time you will need them,
- very basic math that you will need for preprocessing and analyzing data,
- some in-depth visualization algorithms,
- knowledge on data characteristics, human perception and design techniques that will help you to map data to expressive and effective visuals.

An important part of this course will be to program some (interactive) techniques



Stage 2: “Get in Contact” Phase

- Billboard
 - short profile
 - PANDA > Assignments > Mini Project > Billboard
 - Deadline: 13th May 2020
- “Get in Contact” Chat
 - 14th and 15th May 2020 9:00 a.m.
- Define your group and your group name on PANDA
 - As in stage 1
 - Deadline: 17th May 2020
 - afterwards: **Stage 3** – random allocation of leftover students
- No group found: join the group “no group in stage 2” on PANDA
 - As in stage 1



Stage 3: Final Allocation Phase

- All students who do not have a group yet will be allocated to a group
 - Existing or new groups
 - After 17th Mai 2020
- Definition and submission of a group name
 - As before (see stage 1)

