

Progress report

Team 10 - Special Data Force (SD Force)

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CSE-578
Data visualization

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Submitted on
April 08 2021

Status report

Project scope adjustment

According to our user stories, initially we discovered 4 deliverables: student segmentations, students' factors predicting the individual incomes, an individual income predicting machine and a marketing strategy. At week 3, UVW executives confirmed that we only needed to deliver the students' factors predicting the individual incomes. The new scope allowed us to finish the project sooner than expected (appendix A, figure 1).

Progress

The project progressed as smoothly as expected. We accomplished all the weekly planned tasks so far with the exception of during week 3 when our members have to study for the midterm exam. Nevertheless, we caught up the pace and were en route to deliver the project on time. If nothing changes, we are scheduled to finish the project by the end of week 5. (appendix A, figure 2). We already finished the framework of the project documentation report. The only 2 major tasks left in our activity inventory are the executive report and the visualization section of the project documentation report (Appendix B). They await the results of our visual analysis.

Individual roles and contributions (Appendix C)

Although we all work on the data visualization part to deepen our knowledge on the course materials, we have 5 informal roles in the team: business analyst, product manager, scrum master, data engineer and physicist . These roles are subject to our diverse academic backgrounds and industry experience. They determine the tasks assigned to each individual. The tasks vary in length. That being said, so far everyone puts in the effort .

- BA (Business Analyst) is responsible for discovering the business objectives and their technical requirements. BA makes sure that the project scope can meet the deadline set by the client, UVW university.
- PM (Product Manager) is responsible for overseeing the documentation of the project. PM ensures the product specifications meet the technical requirements.
- SM(Scrum Master) helps to drive meetings forward. SM focuses on the value-added pieces of the backlog and refines the understanding of individual tasks.
- DE(Data Engineer) processes data: format, structure and consolidate the data into a tabular for analysis.
- Physicist performs quality tests on the dataset.

Appendix

Appendix A

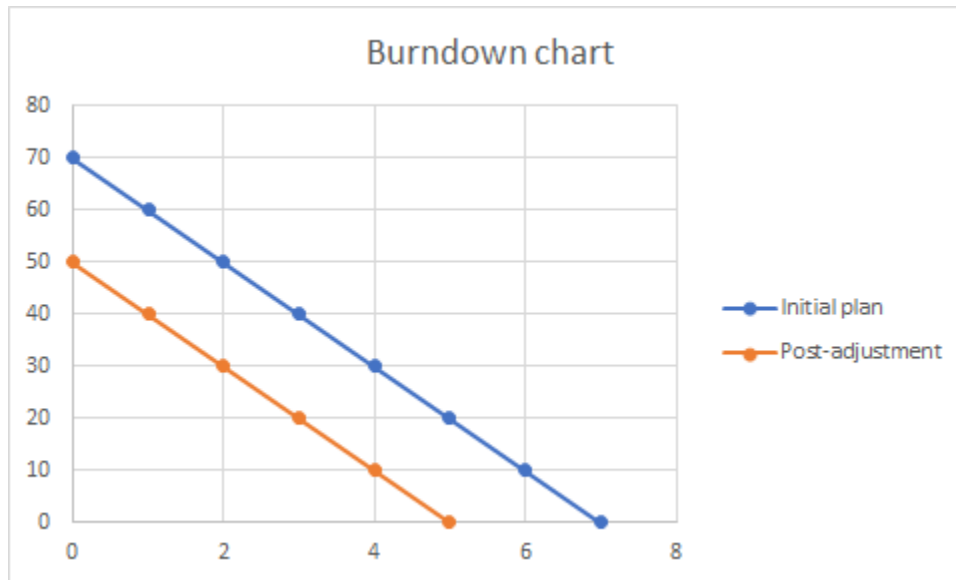


Figure 1: Burndown chart, the initial plan costs more than the newly confirmed plan

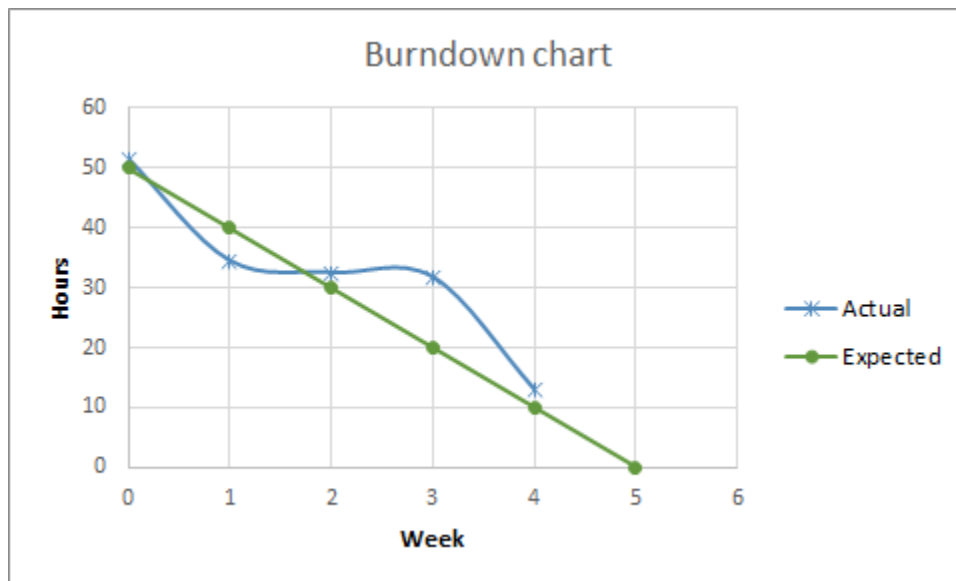


Figure 2: Burndown chart, the actual project goal is met with a high confidence.

Appendix B: Activity inventory

Activity	Status
consolidation and proofing (revised)	Pending
Roles and reponsibility matrix (revised)	Pending
Visualization	Pending
Executive report	Pending
Questions	In Progress(85%)
Visualizations	In Progress
Data cleaning	In Progress
Scatter plot	In Progress
Mosaic plot, Star Plots, data manipulation	In Progress
Prepare private repository on github	In Progress
Seek requirement clarifications	In Progress
Small multiples	In Progress
Progress report	In Progress
Team goals and business objective	Done
Roles and reponsibility matrix draft	Done
Report draft, consolidation and proofing	Done
Roles and reponsibility matrix	Done
Assumptions	Done
Literature reviews	Done
Not doing	Done
Reach out to teammates (rasoul)	Done
Upload PMI templates	Done

Appendix C

Activity	Start date	End date	Estimated hours	Priority	Status	Sign
Team goals and business objective	14-Mar.-2021	19-Mar.-2021	3	High	Done	Thien
Literature reviews				Medium	Pending	Thien
Assumptions	14-Mar.-2021		1	High	In Progress	Thien
Roles and reponsibility matrix draft	14-Mar.-2021	19-Mar.-2021	2	High	Done	Thien
Literature reviews	14-Mar.-2021		2	High	In Progress	Slaney
Not doing	14-Mar.-2021		3	Medium	In Progress	Slaney
Questions	14-Mar.-2021		3	Medium	In Progress	Slaney
Report draft, consolidation and proofing first version	14-Mar.-2021	25-Mar.-2021	2	Medium	Done	Slaney
Decide on plans of attack	18-Mar.-2021	24-Mar.-2021	1	High	Done	All
Meeting	17-Mar.-2021	17-Mar.-2021	1	High	Done	All
Meeting	01-April-2021	01-April-2021	1		Pending	All
Consolidation and proofing (Revised)			1	Low	Pending	Slaney
Reach out to teammates (rasoul)	25-Mar.-2021	05-April-2021	0.25	High	Done	Sai
Data cleaning	25-Mar.-2021	05-April-2021	3	Medium	Done	Sai
Scatter plot	25-Mar.-2021	05-April-2021	3	Medium	In progress	Slaney
Data manipulation	25-Mar.-2021	05-April-2021	3	Medium	In progress (30%)	Thien
Prepare private repository on github	25-Mar.-2021	30-March-2021	0.5	High	Done	Thien
Seek requirement clarifications	25-Mar.-2021	30-March-2021	0.25	Low	In progress	Thien

Small multiples	25-Mar.-2021	05-April-2021	3	High	In progress	Victoria
Upload PMI templates	25-Mar.-2021	30-March-2021	0.5	Low	Done	Thien
Team goals and business objective (Reiterated)	31-March-2021	01-April-2021	2	High	Done	Slaney
Mosaic plot, Star Plots,	1-Apr.-2021	06-April-2021	3	High	In progress	Rasoul
Progress report	1-Apr.-2021	04-April-2021	3	Low	In progress	Thien
Visualization	12-Apr.-2021	15-Apr.-2021	8		Pending	
Report writing (finalized)	12-Apr.-2021	15-Apr.-2021	2		Pending	