

Timeline of Thesis

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1 Overview

My goal is to submit the thesis by end of January 2020, and no later.

This will be 8 months of full-time work over a 10 month period. The difference of two months is because I am initially working part-time on the thesis and will also take some time off, in particular early on before I leave Amsterdam.

Overleaf you will find a table of weekly work rate and notes/goals of what is happening per week. You will also find a graph of the work rate.

2 Table

WP = weeks passed, WW = weeks worked

Date	WP	Rate	WW	Goal/Note
Apr 1	1	0.5	0.5	Reading
Apr 8	2	0.5	1.0	Research question formulated
Apr 15	3	0	1.0	Time off (catching up on work)
Apr 22	4	0.5	1.5	First draft of abstract and timeline
Apr 29	5	0.5	2.0	Investigated bridge damage types and small scale FE model
May 6	6	0.5	2.5	Project presented to TNO staff
May 13	7	0	2.5	Birthday and father visit
May 20	8	0	2.5	Exam
May 27	9	0.5	3.0	Generated synthetic data under normal conditions
Jun 3	10	1	4.0	Completed literature review
Jun 10	11	0.5	4.5	Mother visit
Jun 17	12	1	5.5	Verified synthetic data against sensor measurements
Jun 24	13	1	6.5	Determined sensors containing explanatory information per damage type
July 1	14	1	7.5	
Jul 7	15	1	8.5	
Jul 14	16	1	9.5	Determined optimal sensor placement for bridge 705
Jul 21	17	0	9.5	Time off
Jul 28	18	0	9.5	Time off and move closer to the office
Aug 5	19	1	10.5	
Aug 12	20	1	11.5	
Aug 19	21	1	12.5	Calculated damage to bridge 705 with a data-driven model
Aug 26	22	1	13.5	
Sep 2	23	1	14.5	Calculated damage to bridge 705 with a finite element model
Sep 9	24	1	15.5	Determined useful combinations of data-driven and finite element models
Sep 16	25	1	16.5	
Sep 23	26	1	17.5	
Sep 30	27	1	18.5	Quantified measurement and model uncertainty
Oct 7	28	1	19.5	Outlined a decision support system
Oct 14	29	1	20.5	Completed a cost-benefit analysis of the decision support system
Oct 21	30	1	21.5	Started generalizing the model to bridges other than 705
Oct 28	31	1	22.5	
Nov 4	32	1	23.5	
Nov 11	33	1	24.5	
Nov 18	34	1	25.5	Started writing thesis
Nov 25	35	1	26.5	
Dec 2	36	1	27.5	
Dec 9	37	1	28.5	Finished writing draft of thesis
Dec 16	38	1	29.5	
Dec 23	39	0	29.5	Time off
Dec 30	40	0	29.5	Time off
Jan 6	41	1	30.5	
Jan 13	42	1	31.5	
Jan 20	43	1	32.5	
Jan 27	44	1	33.5	Submit

3 Plot

