Project outline – Most tasks involve creating or updating public artifacts.

No.	Description	Type	Deadline	Postponements	Status	Est. 5 %	Est. mode	Est. 95 %	Date start	Date end	Actual duration
I1	**Iteration 1**	Iteration	2019-09-13	To be determined.	🟥	36:28	40:47	50:26	2019-08-26		
I1a	Sketch how to adapt SupAmp to RL. → analysis	Task		🟨	✔	3:52	5:31	6:49	2019-08-26	2019-08-30	13:23
I1b	Sketch how to model supervisor failures.	Task			🟥						19h 40m
	- Add my insight that I'm not just writing for myself to supamp-reamp. And that the analysis is preliminary.										
I1c	Create an empty Draft Basis and fill in as far as possible.	Task									
I1d	Announce my project on LW or MxD.	Task									
	Announce search for writing partner on LW or MxD.	Task									
	Paul's code for SupAmp runs on my machine and I roughly know my way around it.	Task									
	Read and summarize relevant literature.	Task									
	Iteration 2	Iteration									
	Study missing ML basics. – ML, deep learning, RL	Task									
	Verify design so far.	Task									
	Design how to adapt SupAmp to RL.	Task									
	Fill in Draft Basis further.	Task									
	Hopefully found writing partner(s).	Task									
	Iteration 3	Iteration									
	Adapted SupAmp to RL.	Task									
	Run some experiments from CSASupAmp with RL instead of SL.	Task									
	Write short article about the differences between SupAmp and ReAmp.	Task									
	Iteration 4	Iteration									
	Design experiments for ReAmp with overseer failures.	Task									
	Design changes to ReAmp to accommodate experiments.	Task									
	Iteration 5	Iteration									
	Adapt ReAmp code.	Task									
	Run experiments.	Task									
	Finish filling in Draft Basis.	Task									
	Iteration 6	Iteration									
	Revisit literature.	Task									
	Make writing plan.	Task									
	Make build pipeline for article.	Task									
	Iteration 7	Iteration									
	Write draft.	Task									
	Revise draft.	Task									
	Solicit feedback.	Task									
	Iteration 8	Iteration									
	Write final version.	Task									
	Submit article.	Task									

Abbreviations/Glossary/Bibliography

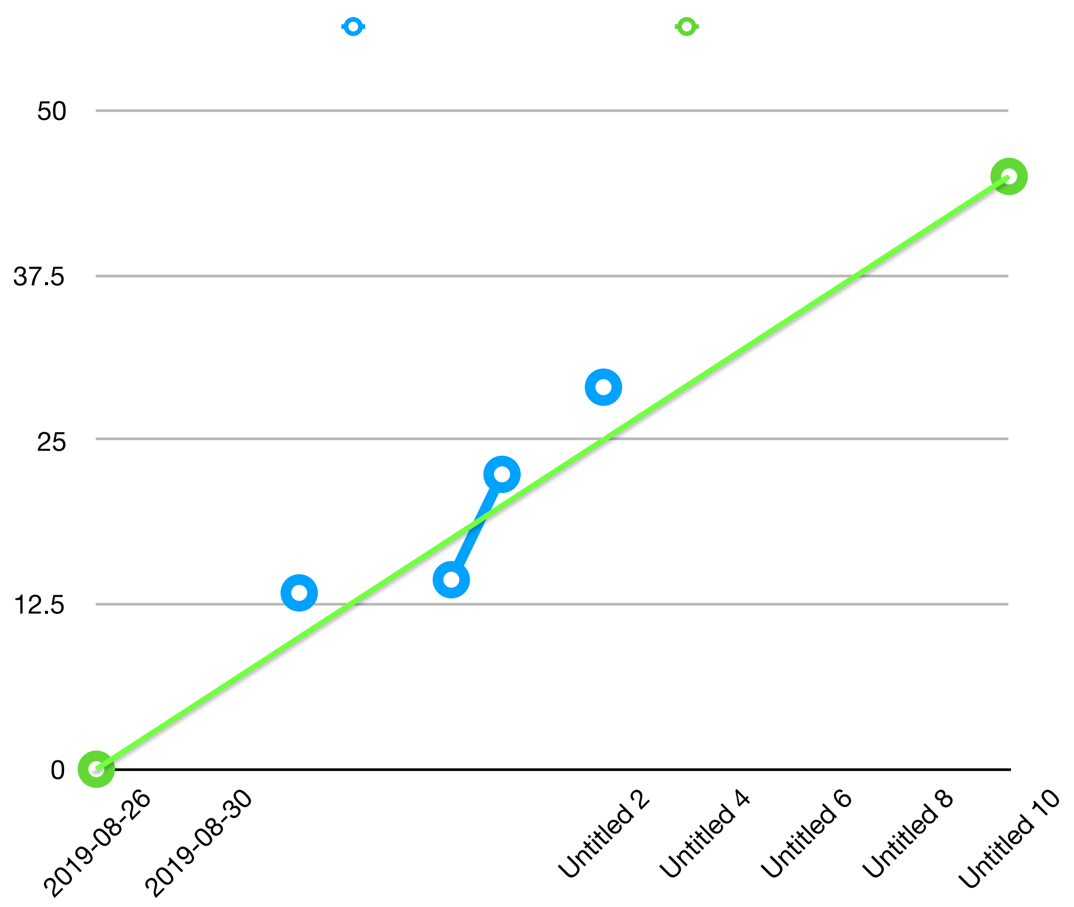
CoR	Booth et al.: The Craft of Research
CSASupAmp	Christiano et al.: Supervising strong learners by amplifying weak experts
Est. 5 %	5th percentile of my estimated duration distribution/leftmost point in triangle distribution
Est. mode	mode of my estimated duration distribution
Est. 95 %	95th percentile of my estimated duration distribution/rightmost point in triangle distribution
Draft Basis	A template derived from CoR, p. 175, which when filled in completely, provides all the information necessary for planning a draft. Includes the structure of the argument.
LW	LessWrong
MxD	MIRIxDiscord
RL	reinforcement learning
ReAmp	SupAmp adapted to RL
SL	supervised learning
SupAmp	The system for iterated distillation and amplification using supervised learning from CSASupAmp

Table 1

2019-08-26	0		
2019-08-27			
2019-08-28			
2019-08-29			
2019-08-30		13.3833333333333	13:23
2019-08-31			
2019-09-01			
2019-09-02		14.3833333333333	
2019-09-03		22.3833333333333	
2019-09-04			
2019-09-05		29	
2019-09-06			
2019-09-07			
2019-09-08			
2019-09-09			
2019-09-10			
2019-09-11			
2019-09-12			
2019-09-13	45		

Table 2

2019-08-30		13.3833333333333	13:23	



This thing is wrong.

Estimates preprocessed for Dugless

	Est. mode	Est. 5 %	Est. 95 %	Est. mode ratio
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	331	232	409	0.559322033898305
	120	60	180	0.5
	180	90	360	0.333333333333333
	60	30	90	0.5
	15	10	30	0.25
	120	30	360	0.272727272727273
	60	15	360	0.130434782608696
	30	15	90	0.2
	30	15	60	0.333333333333333
	30	15	60	0.333333333333333
	30	15	60	0.333333333333333
	120	60	360	0.2
	30	15	60	0.333333333333333
	120	0	360	0.333333333333333
	30	15	60	0.333333333333333
	90	30	240	0.285714285714286
	240	90	480	0.384615384615385
	780	540	1500	0.25
	90	45	150	0.428571428571429