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**Date:** 3/4/2020  
**Group:** The Juicerz

**Metric chosen:** Estimation Accuracy

**Sprint 6 and Sprint 7 Data**

<u>sprint 7</u>		
story	orig.	logged
107	12	10
110	6	1.25
112	8	6.5
114	3	12.5
115	3	1.5
116	4	3
117	2	0
118	3	3
119	<del>3</del> 22	11
120	2	0
121	3	3
122	4	4

  

<u>sprint 6</u>		
story	orig.	logged
63	6	13
79	14	17
98	9	13
106	3	0
108	4	3.33
109	4	8.5
113	14	9

Left column is the story number, middle is original estimate in hours, right is the number of logged hours

## **Calculations**

$(12-10) + (6-1.25) + (8-6.5) + (12.5-3) + (3-1.5) + (4-3) + (2-0) + (3-3) + (22-11) + (2-0) + (3-3) + (4-4) = 34.25$  hours deviated from original estimate on sprint 7.

Total estimated hours was 72 for sprint 7.

$(13-6) + (17-14) + (13-9) + (3-0) + (4-3.33) + (8.5-4) + (14-9) = 27.16$  hours deviated from original estimate on sprint 6.

Total estimate hours was 54 for sprint 6.

$(34.25 + 27.16) / (54 + 72) = 49.08\%$  estimation inaccuracy.

## **Analysis**

Since the last analysis, it looks like my team has not improved significantly on estimating our hours. Our estimation in-accuracy last time was 46.36%, so we have in fact gotten worse at our accuracy. Through pouring through all of our user stories that have been completed since the last time, I think I have a good gauge of what our shortcomings have been.

If I had to pin it down onto two things, I would say it was inability to enter in hours logged correctly, and gross over-estimations of estimated hours. Touching on the first point, it seems like incorrectly logging hours has been a problem for some group mates this whole project. It may just be a flaw in JIRA, but almost every case of someone logging "0" hours in the data above was me rounding down from a few minutes logged. This is most likely because instead of logging a few hours, they instead logged a few minutes, however I can't assume this when collecting the data, so I had to record it as is. Another point of innacuracy was the over-estimations of our stories. For example, in user story 119 from sprint 7, there was 22 hours estimated, but it only took 11 hours for the story to be completed.

Hopefully moving forward, we can iron out some of these, and I will make sure to let my group mates know what I have discovered and what we should be doing to fix these problems.