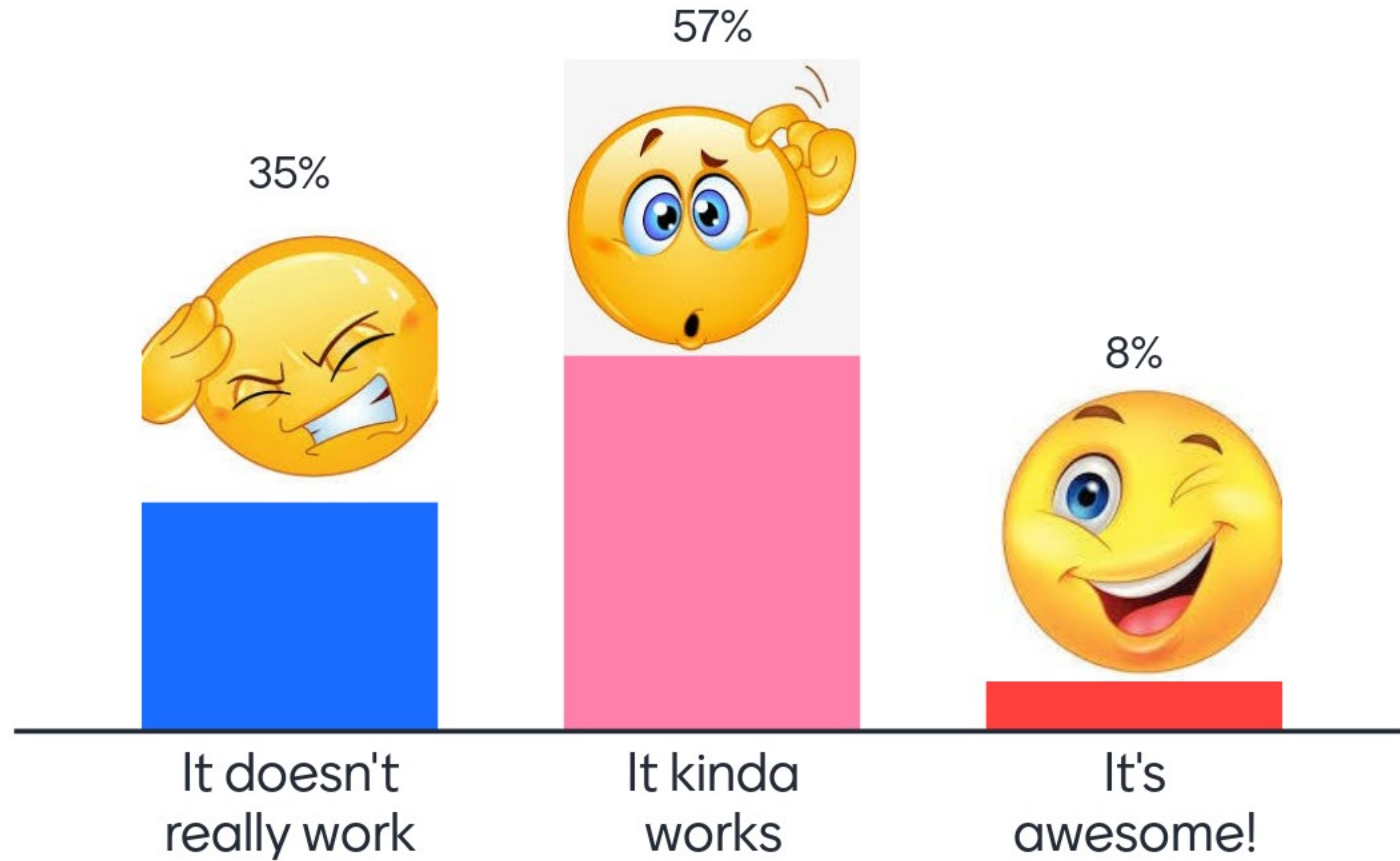
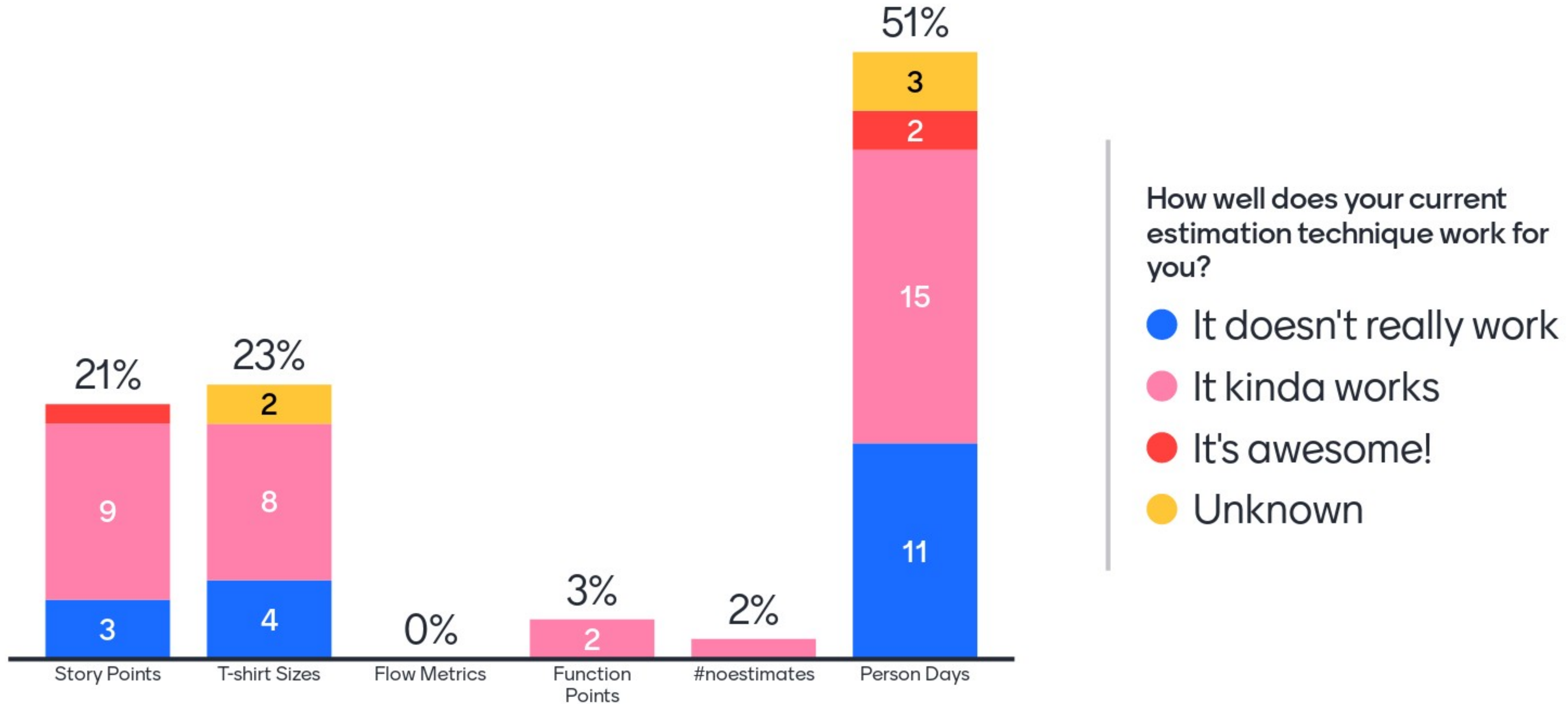


# How well does your current estimation technique work for you?



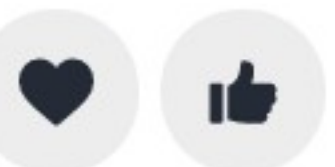
# What estimation techniques do you use?





**All your story points  
are belong to us**

Jose Casal - @jose\_casal







CATS : ALL YOUR BASE ARE BELONG  
TO US.

# What's the purpose of estimating work?

Better planning

Prediction

ETA

To estimate when we can deliver

For planning

Achieve the sprint's goal

to assess how much work we can do in a sprint

Enable quick planning

Providing a base for fact based future estimations



# What's the purpose of estimating work?

Planning and checking whether we are on track

Delivery Assurance

resource capacity

to quantify effort

allow long term planning.

To be aware of Heaviness of work coming

better prediction expectation setting

To know the amount of work to be done with delivery date for planning purposes.

Better planning

# What's the purpose of estimating work?

compare between tasks

Plan a practical sprint goal

To create a false impression that we are going to deliver on this time

better planning

ETAs

Idea of how much we can do in time box

planning better for MVP

Breakup of work

Being able to commit and be predictable

# What's the purpose of estimating work?

To know the time to complete, resources needed and scheduling.

- to make working scope - to estimate our speed and make an analysis/predictions for the future

to please the managers



# Two different kinds of estimation

- Single-item estimation
- Multiple-item estimation

# Single-item estimation



# The sole purpose of estimating work is to answer these two questions

- Can we do this work in the time allocated to it?
- Do we understand it well enough to start working on it?



**There are 3 possible answers**







## Go for it...

- Yes, it is small enough to be done in the time allocated to it
- Yes, we understand it well enough to start working on it





## Break it down..

- No, it is too large to be done in the time allocated to it





## Refine it further..

→ No, we don't understand it well enough





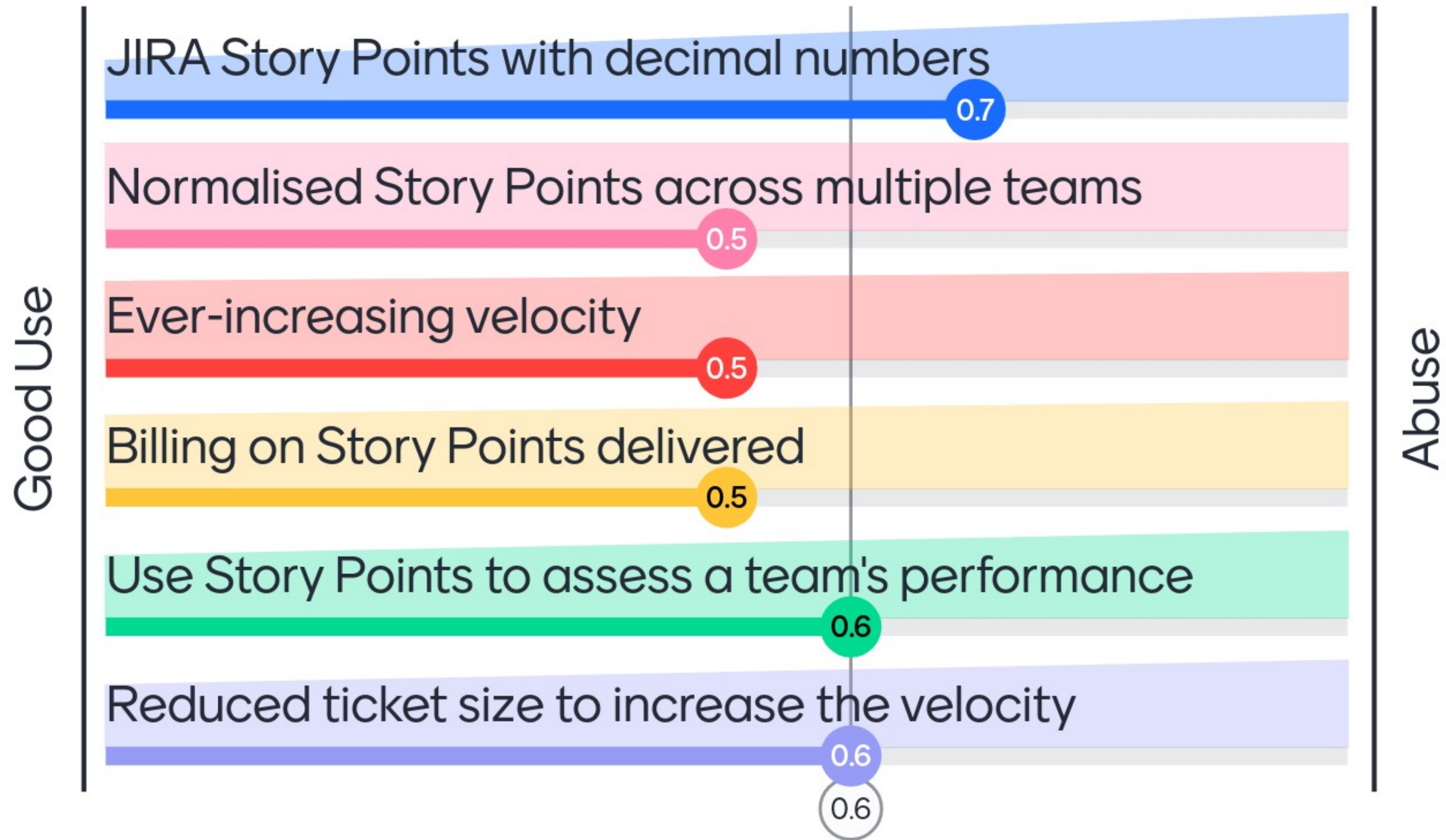
**More than those 3 options is unnecessary**





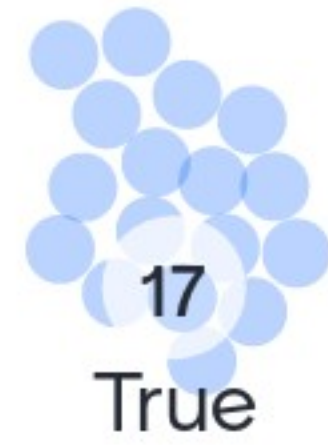
Despite all the good intentions, Story Points often become an act of "business theatre" pretending to answer these two questions.

# Good Use? or Abuse?

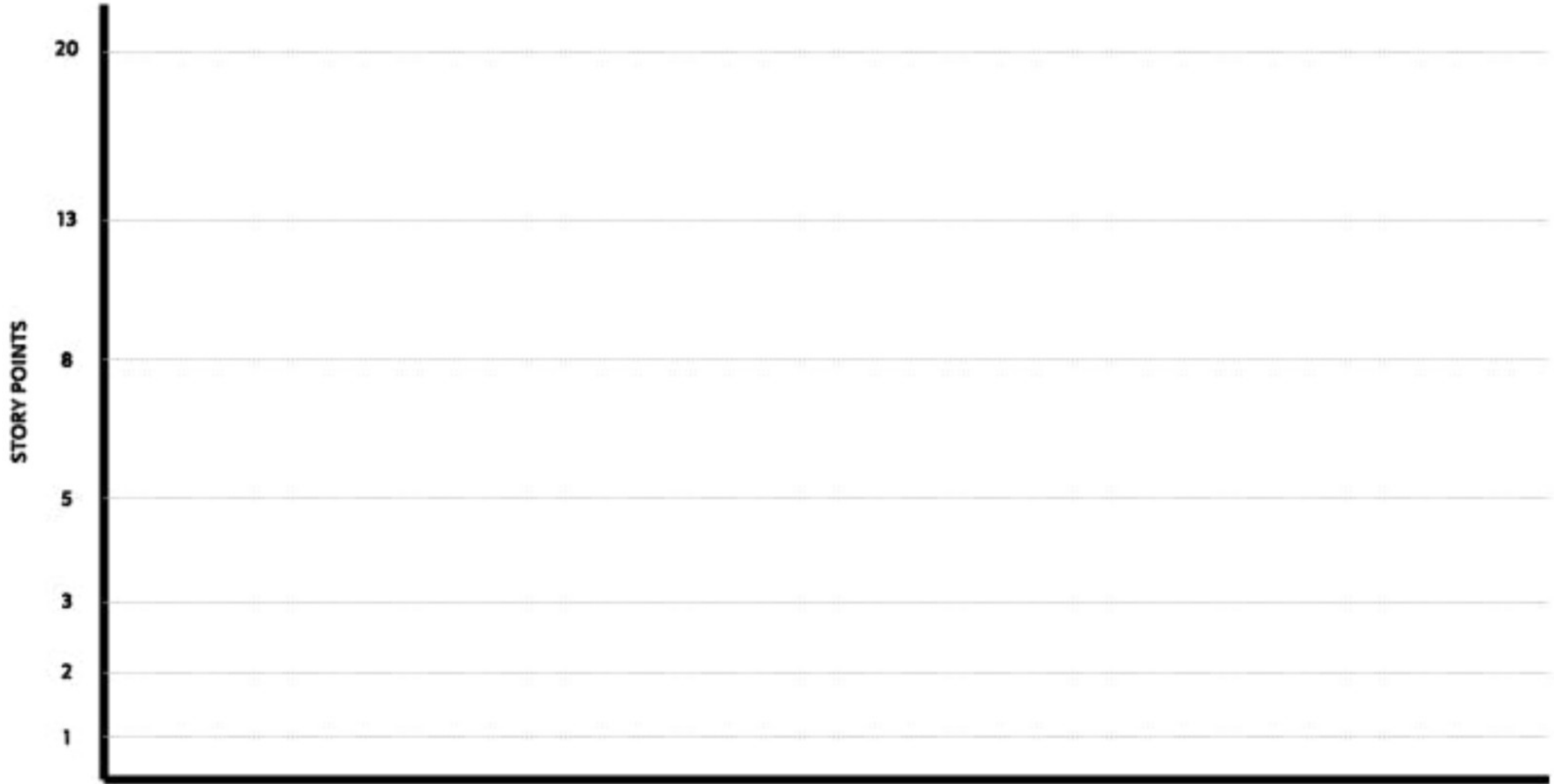


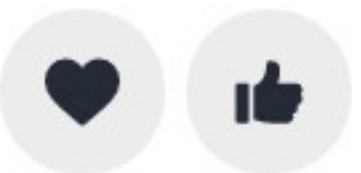
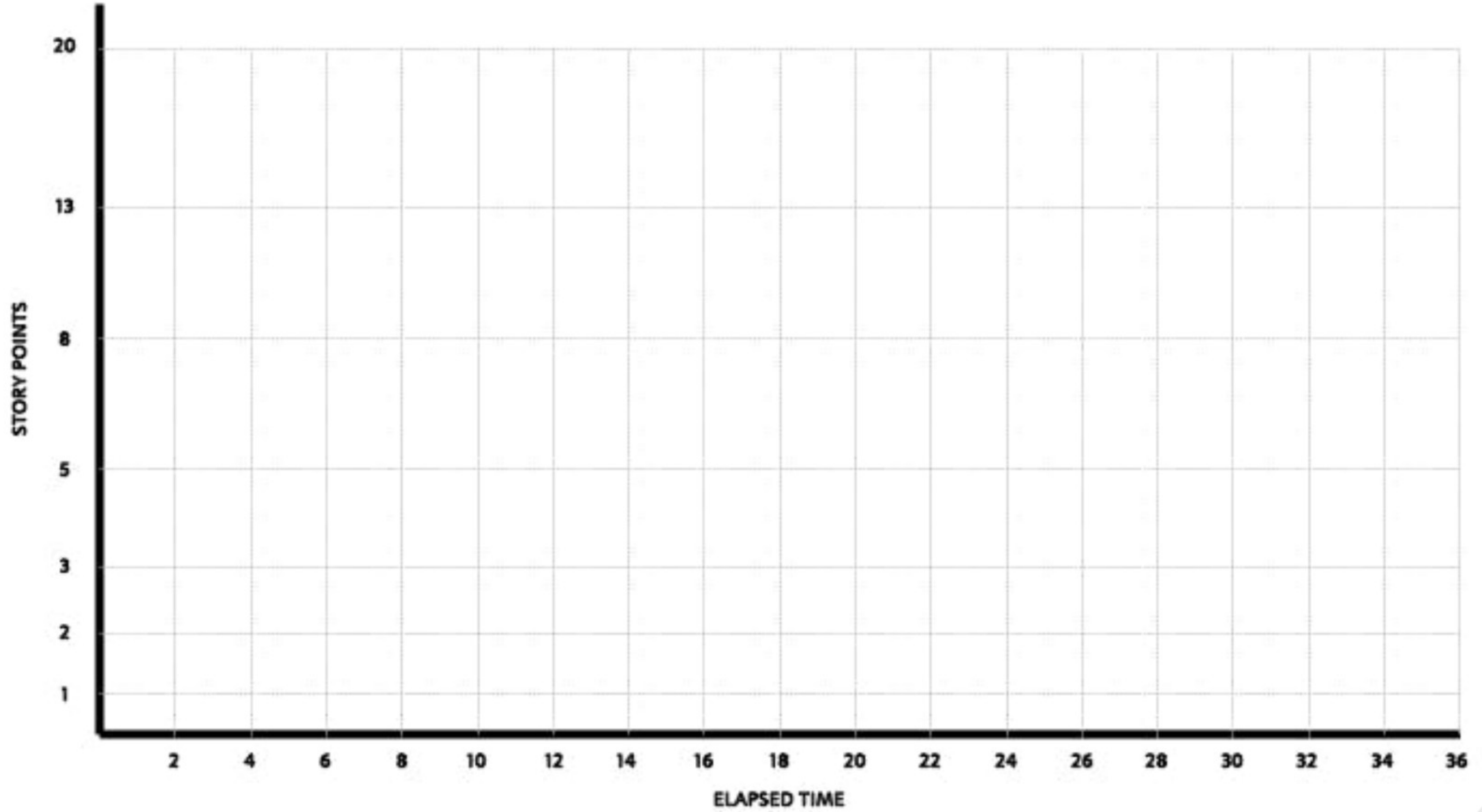


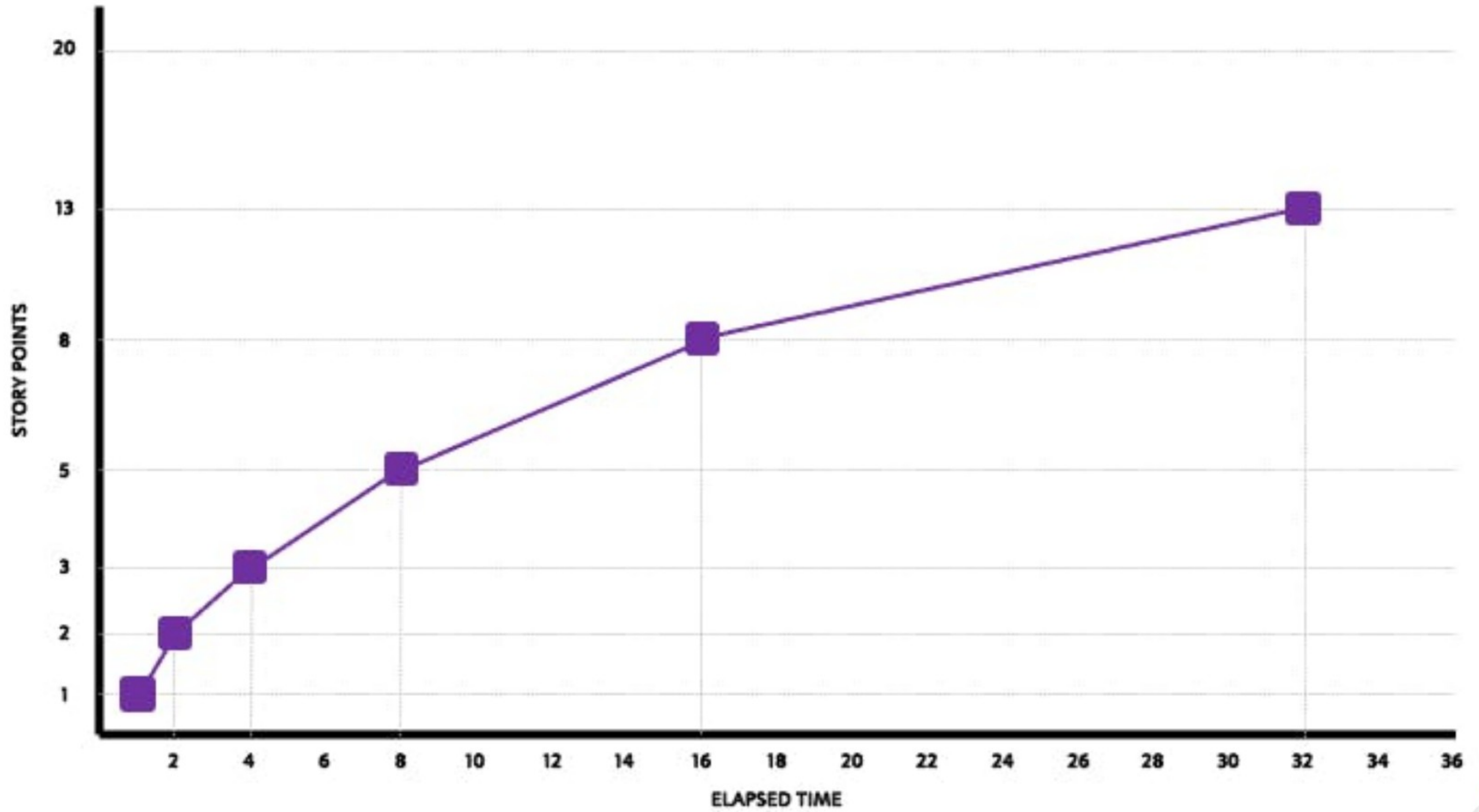
# "Story Points MUST correlate to time"



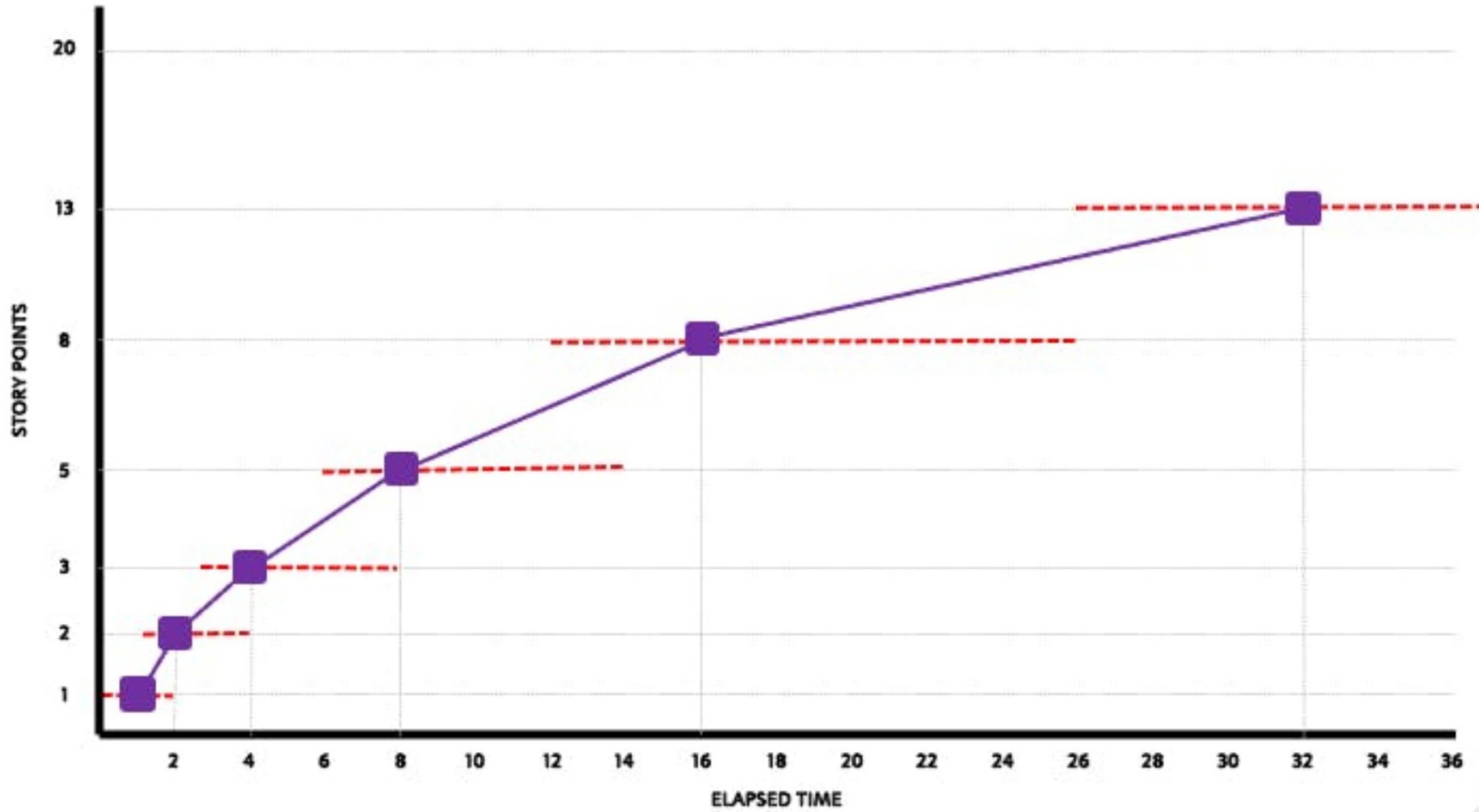


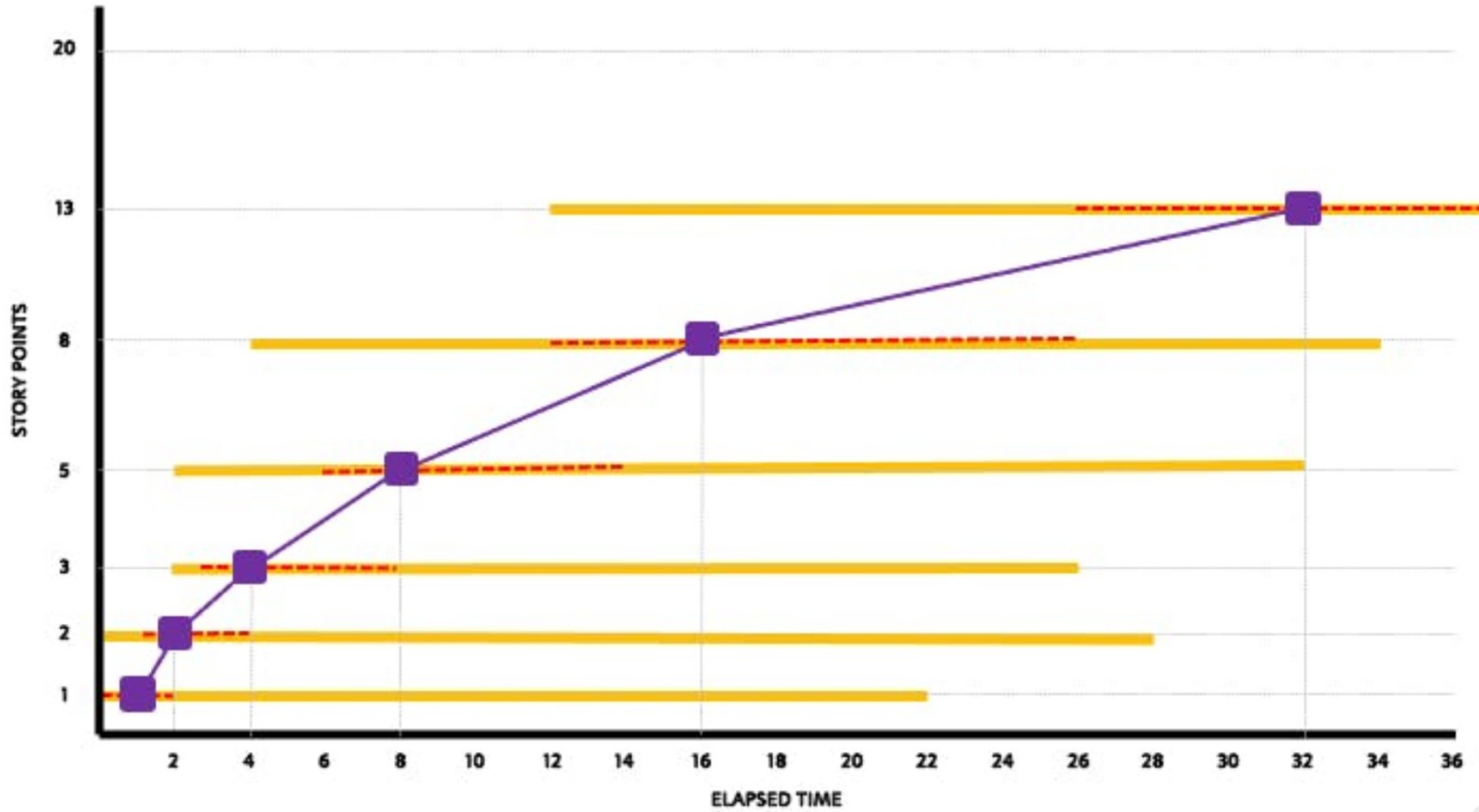




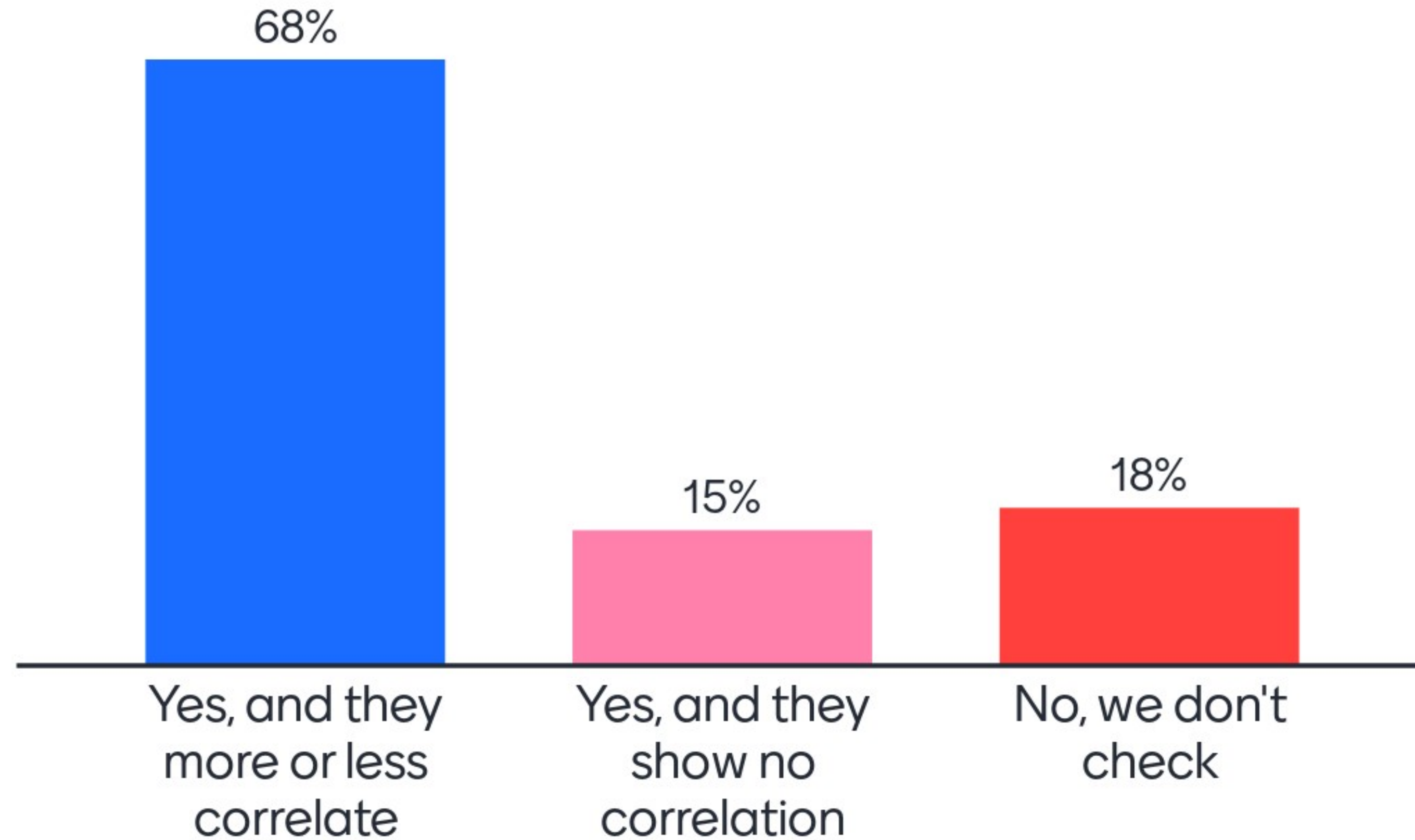








# Do you check that your estimates correlate to Elapsed Time?







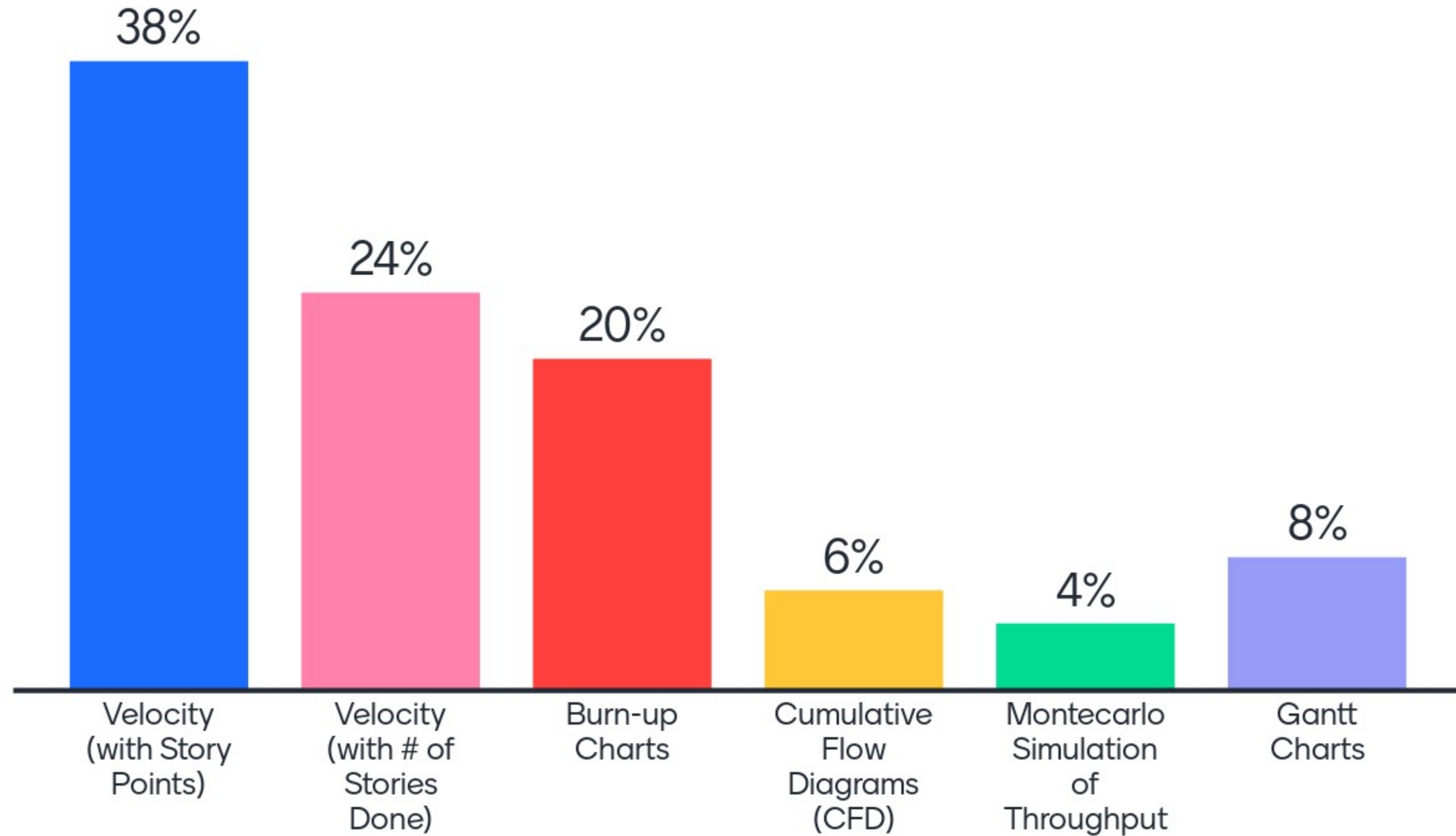
# Multiple-item estimation

# The purpose of multiple-item estimation is to be able to predictably answer one of these two questions

- How much work can we do by a certain date?
- How long will it take to complete a batch of work?



# What estimation techniques do you use?



# Multiple-item estimation uses a "count over a period of time" calculation

- Story Points per Sprint (Velocity)
- Number of PBIs per Sprint (Velocity)
- Number of Work Items per Day (Throughput)



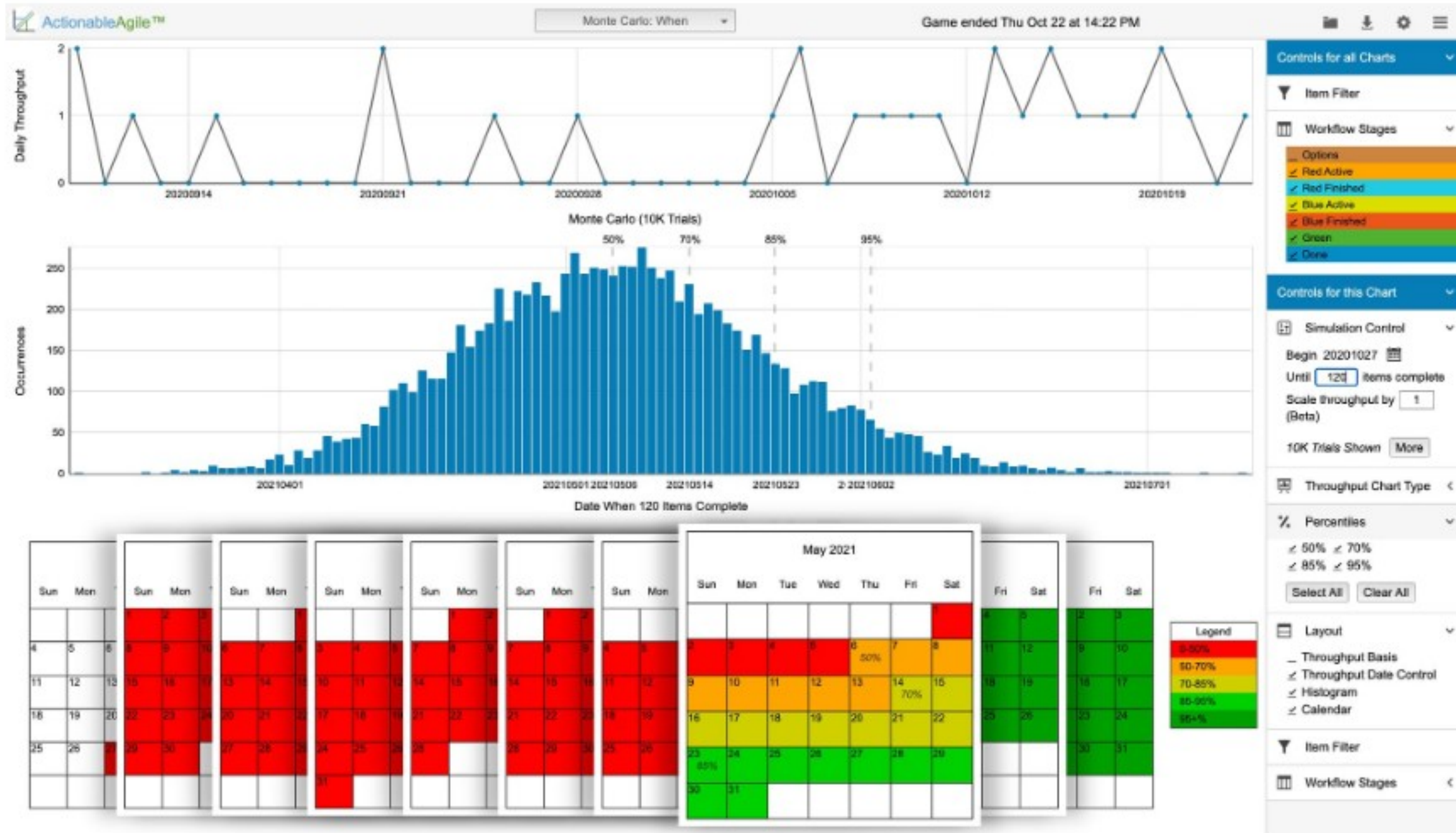


# Don't use averages in complex work

Please please please. Just don't.







# Bye bye Velocity. Hello Montecarlo.

Montecarlo is a statistical forecasting technique that uses Throughput as its core Flow Metric

**one more thing...**







# Aging Work in Progress

- The most awesome chart most people have never heard of
- Transform your Daily Scrum
- Anticipate delivery problems before it's too late
- The best kept secret in Agile





# Level Up!

Defeat the Estimation Boss





# Thank you

jose.casal@actineo.email

@jose\_casal

