

Development Metrics You Should Use (but don't) Cat Swetel



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Development Metrics You Should Use (but Don't)

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QUALITY RESPONSIVENESS

PRODUCTIVITY PREDICTABILITY

QUALITY RESPONSIVENESS

Troy Magennis @t_magennis

PRODUCTIVITY PREDICTABILITY

QUALITY RESPONSIVENESS

PRODUCTIVITY PREDICTABILITY

RESPONSIVENESS

What's missing?

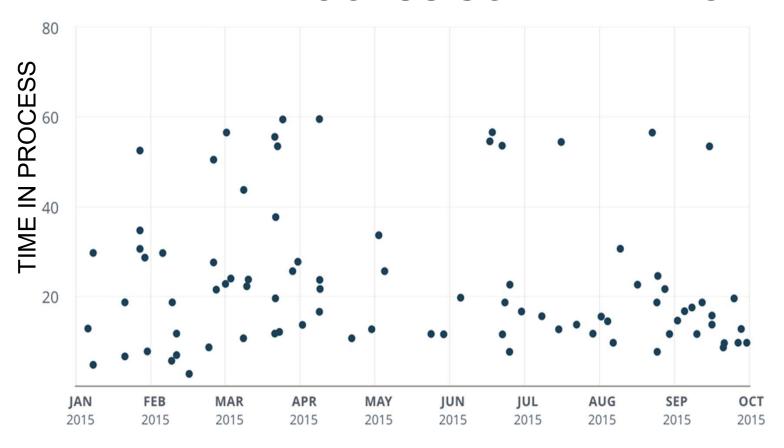
PRODUCTIVITY



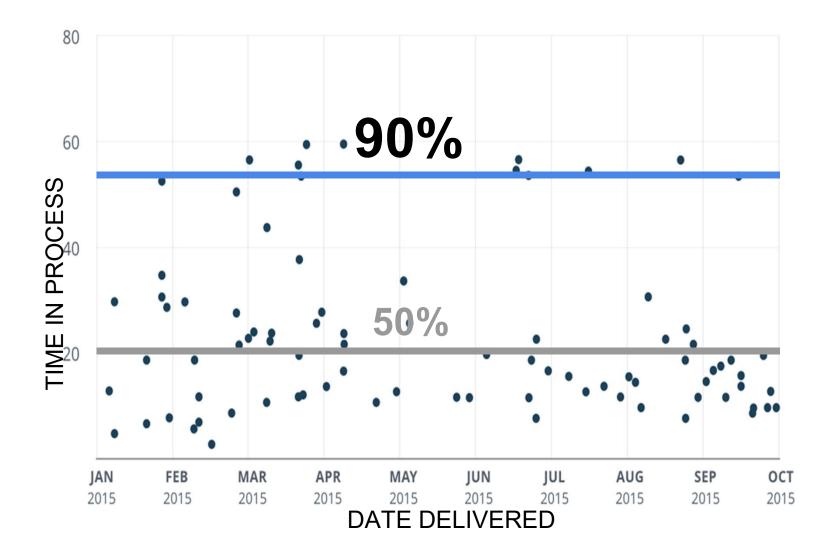


Time in Process Units of time per unit of work @catswetel at #gotochgo

TIME IN PROCESS SCATTER PLOT

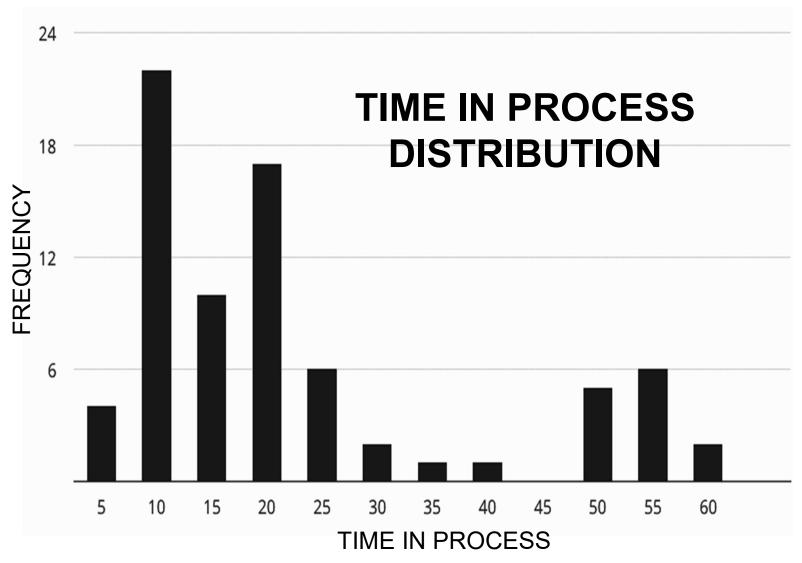


DATE DELIVERED



RESPONSIVENESS

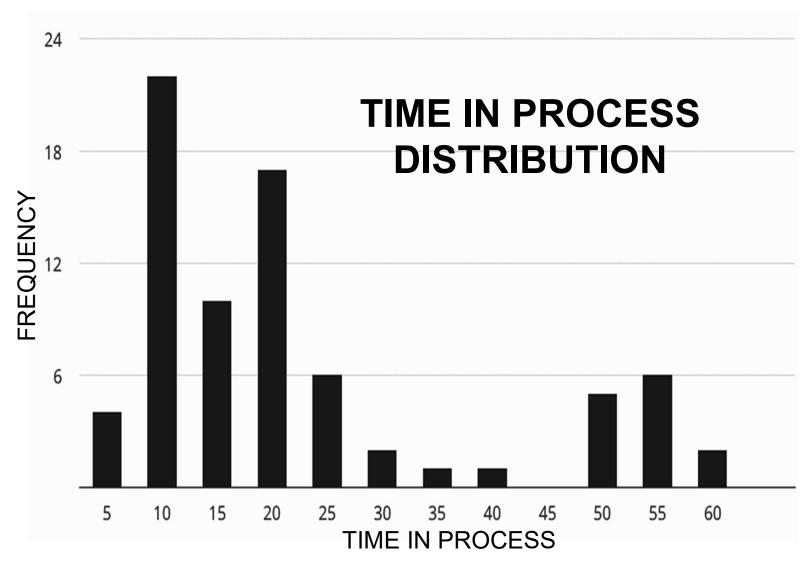
PRODUCTIVITY



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RESPONSIVENESS

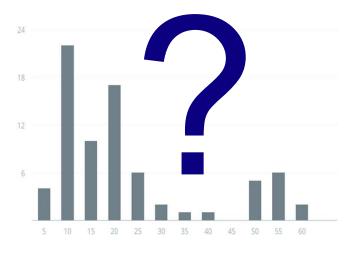
PRODUCTIVITY

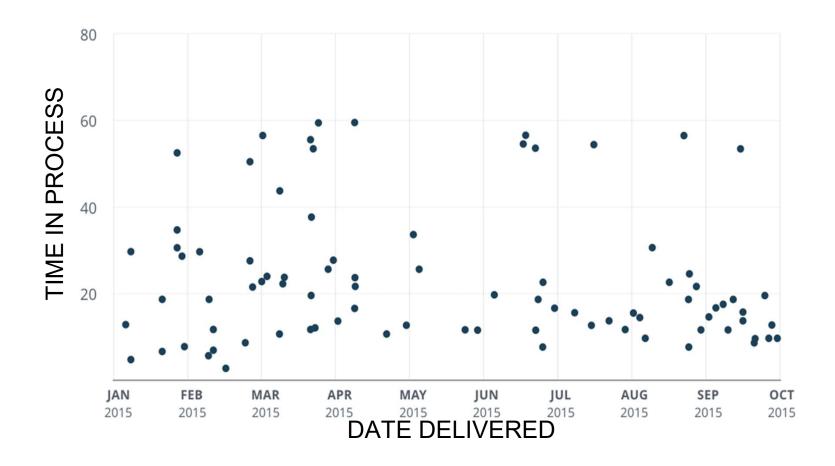


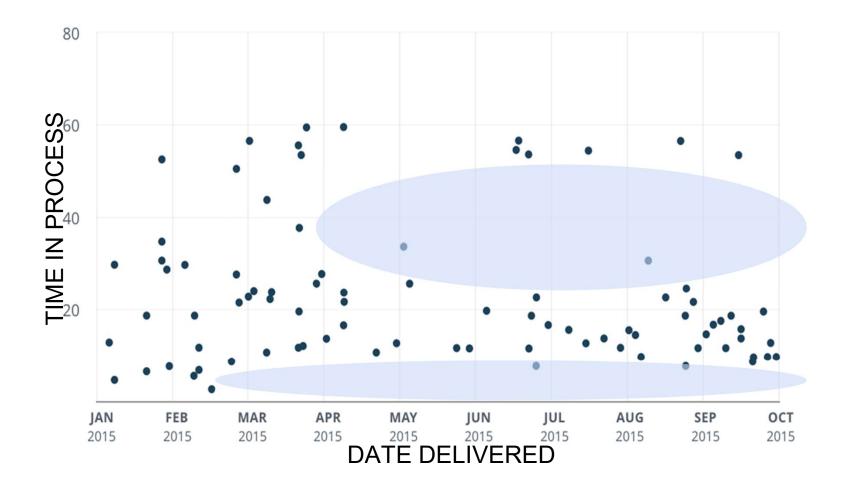
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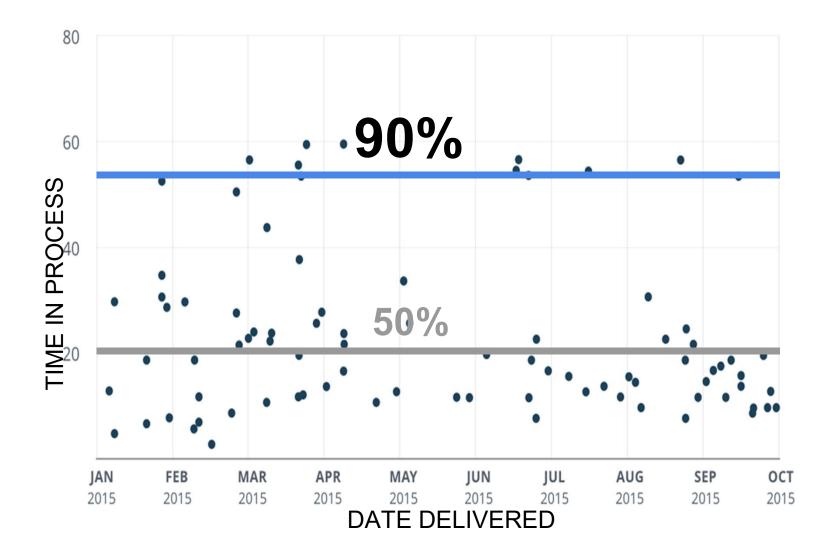
ANSWERS
STORIES
OPTIONS
DECISIONS
TRADE OFFS

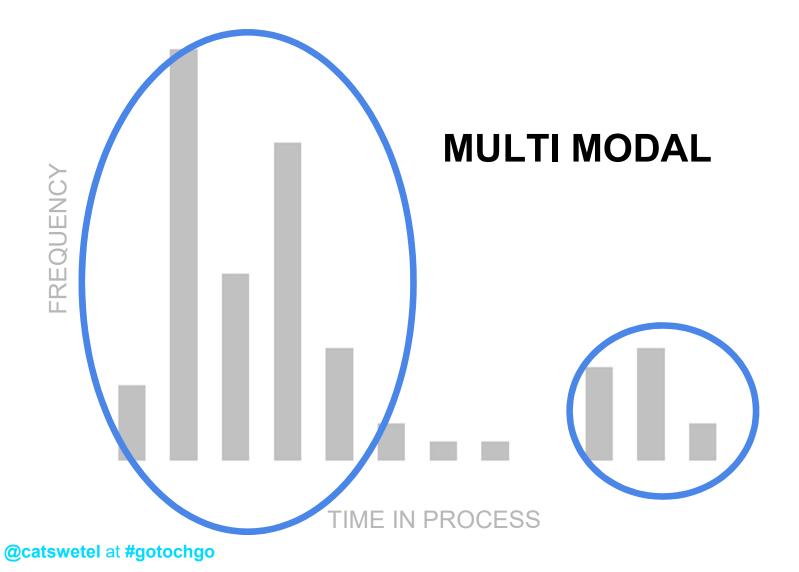
ANSWERS STORIES OPTIONS DECISIONS TRADE OFFS

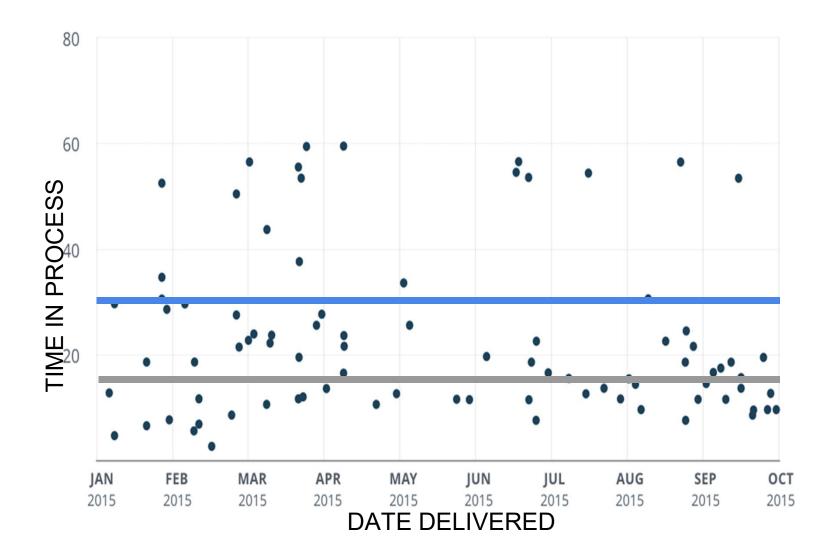






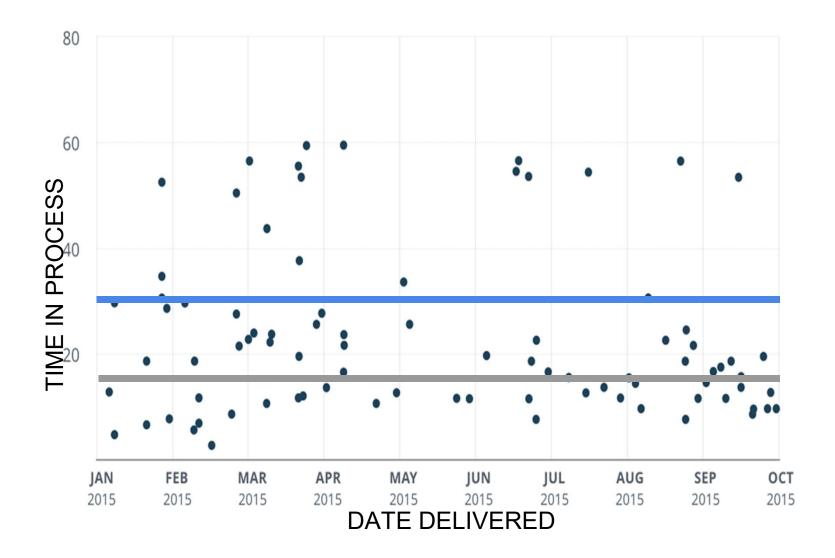


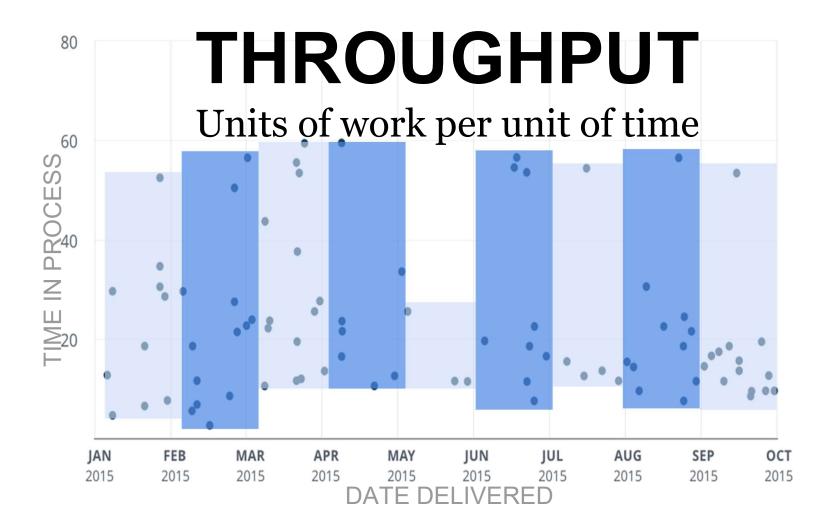


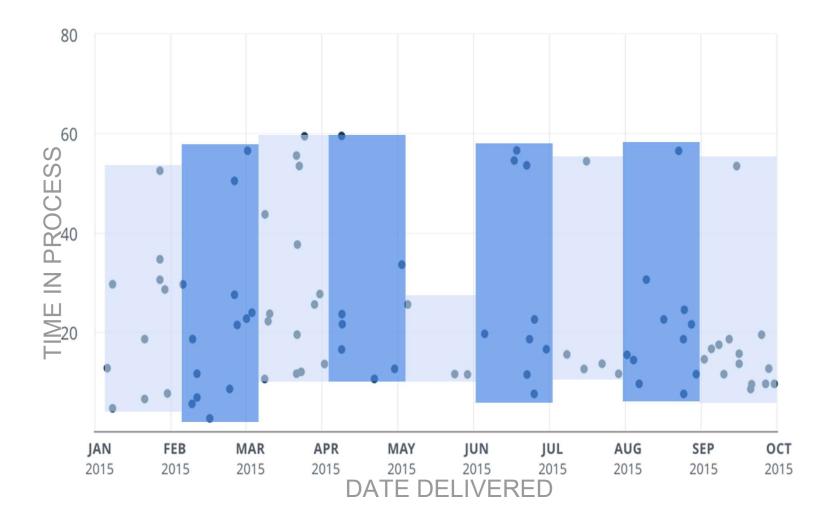


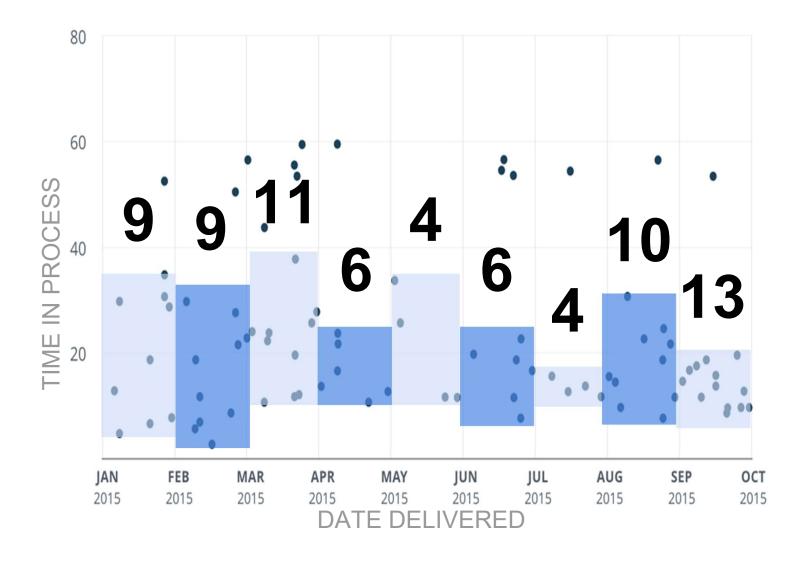
RESPONSIVENESS

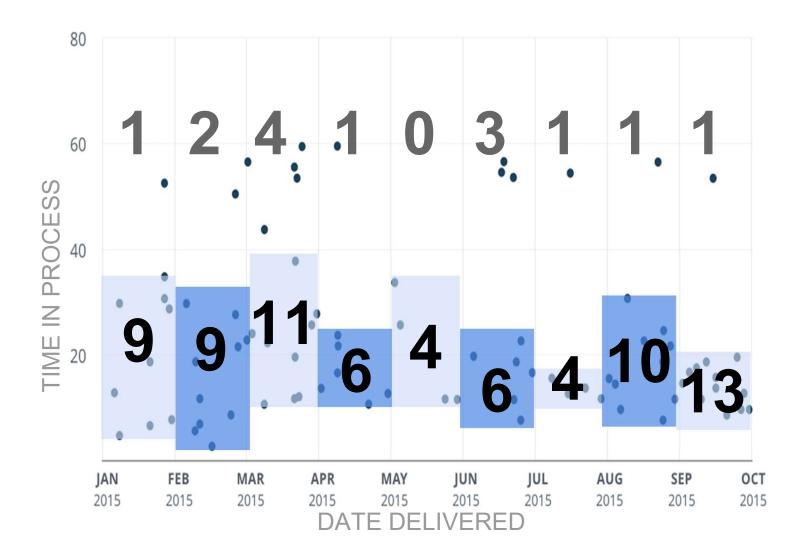
PRODUCTIVITY











Normal is 3 or less failure demand work items.

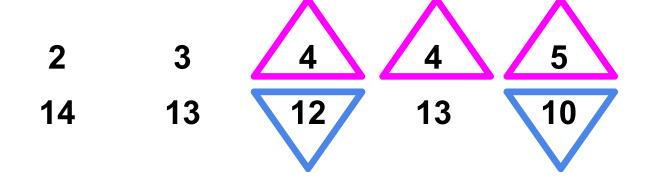
It's only Wednesday, and we have already had 3.

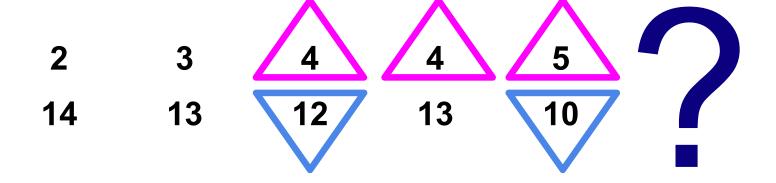
We expect at least 2 more this week.

Normal is 3 or less failure demand work items. It's only Wednesday, and we have already had 3. We expect at least 2 more this week.

This week's throughput?

Time in Process of items already in WIP?





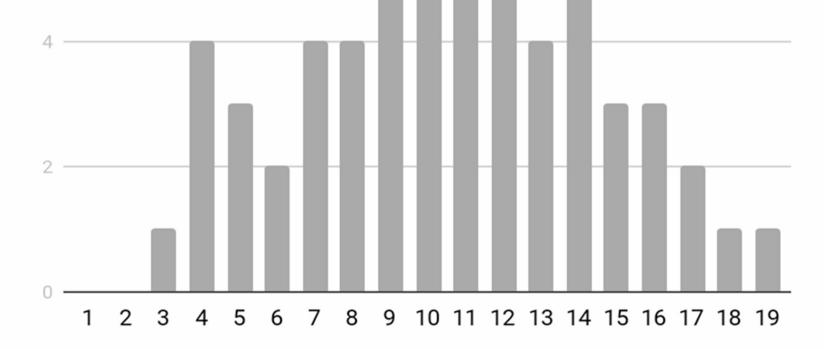
RESPONSIVENESS

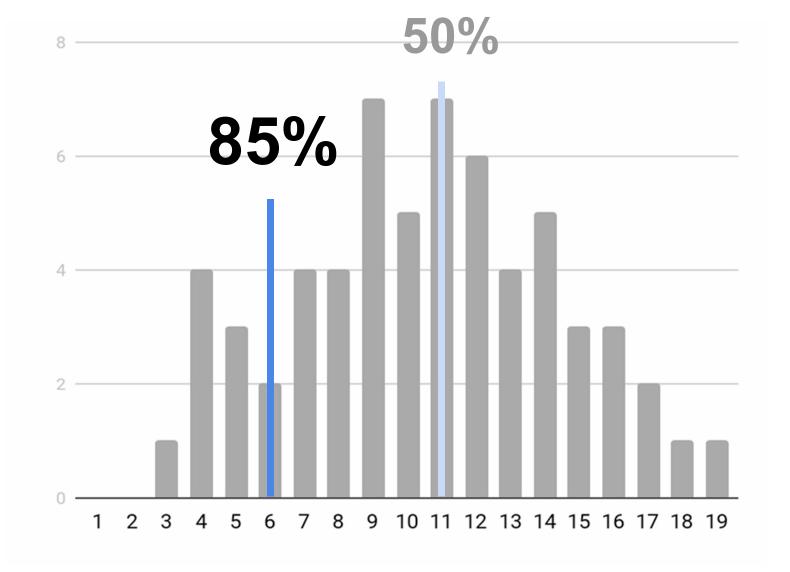
PRODUCTIVITY

RESPONSIVENESS

PRODUCTIVITY

- THROUGHPUT





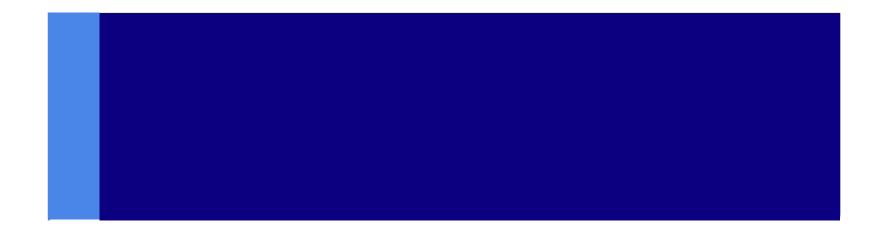
QUALITY

RESPONSIVENESS

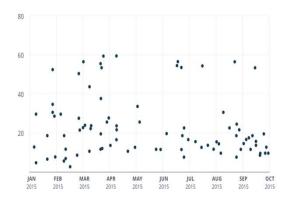
PRODUCTIVITY

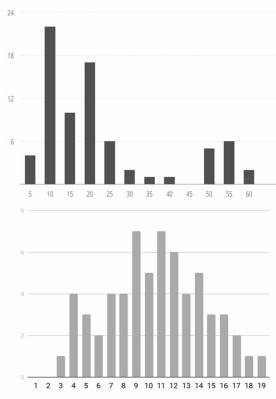
PREDICTABILITY

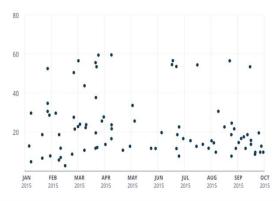


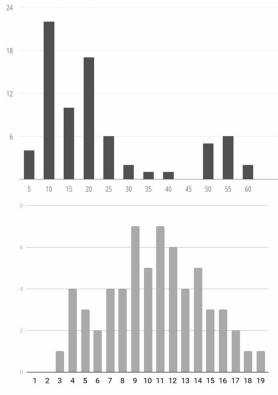


PROCESS CYCLE EFFICIENCY

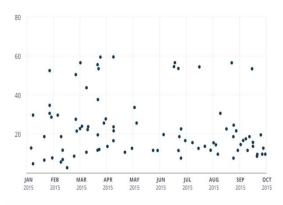


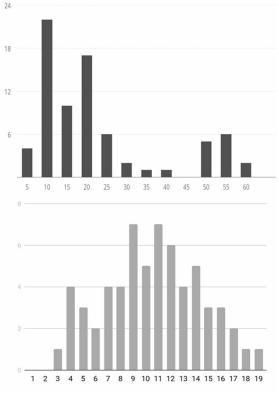






Are we there yet?



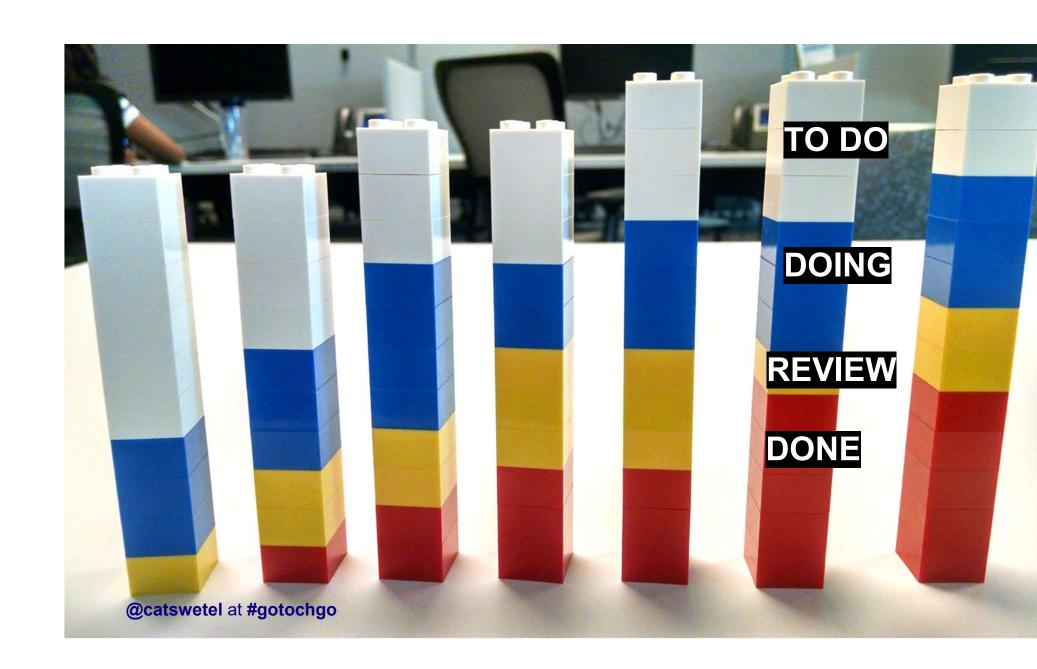


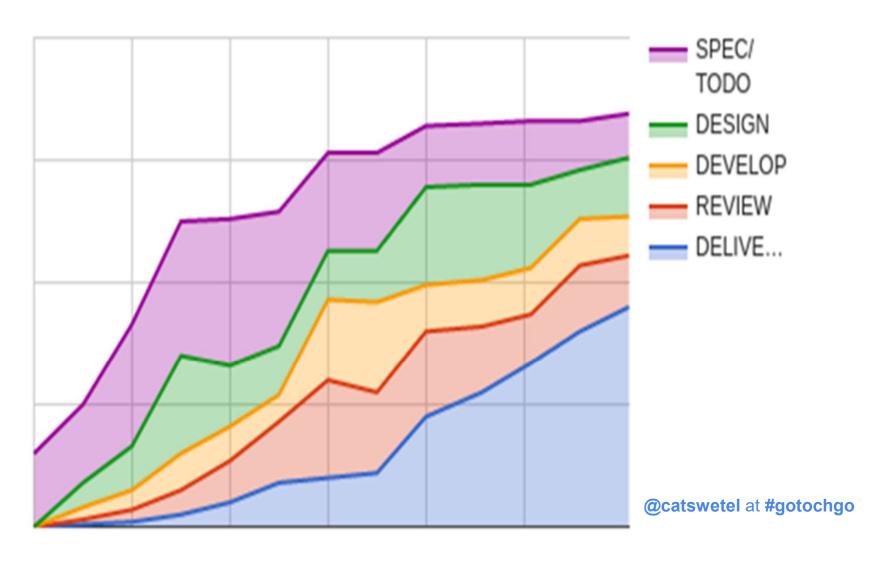
Where should we focus improvement efforts?

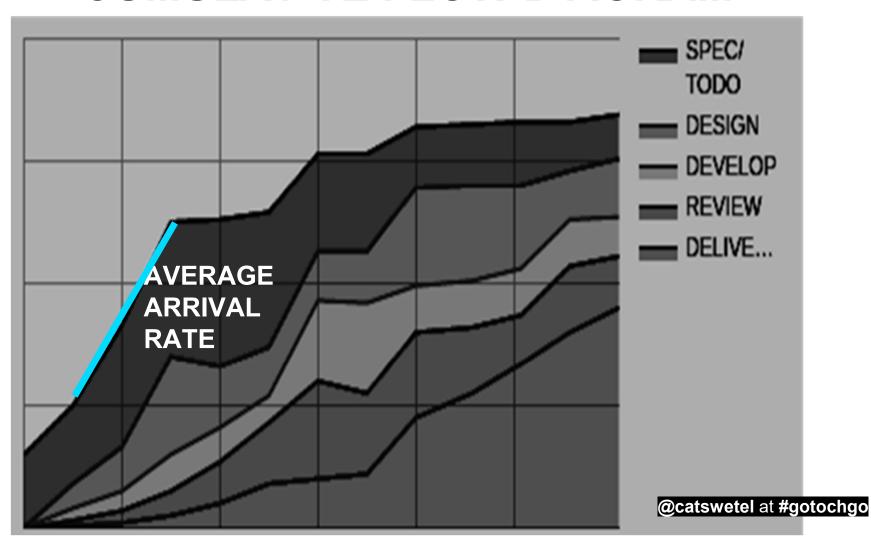


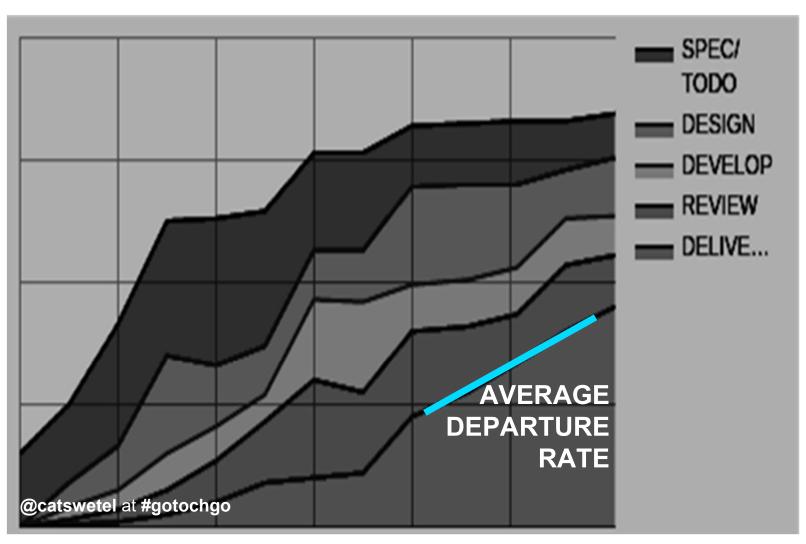


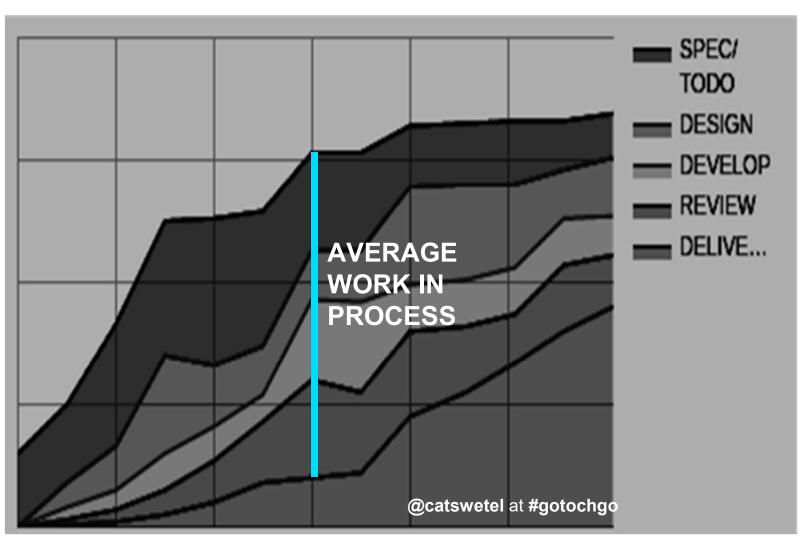


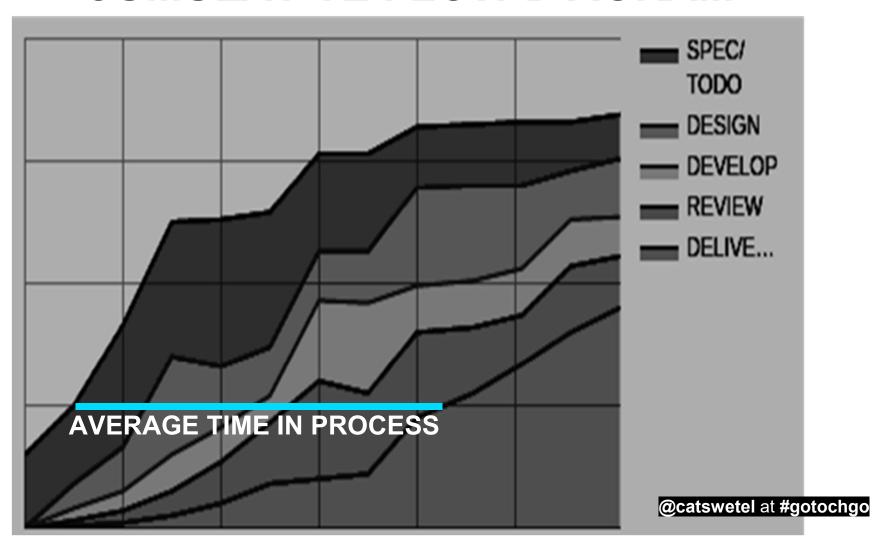


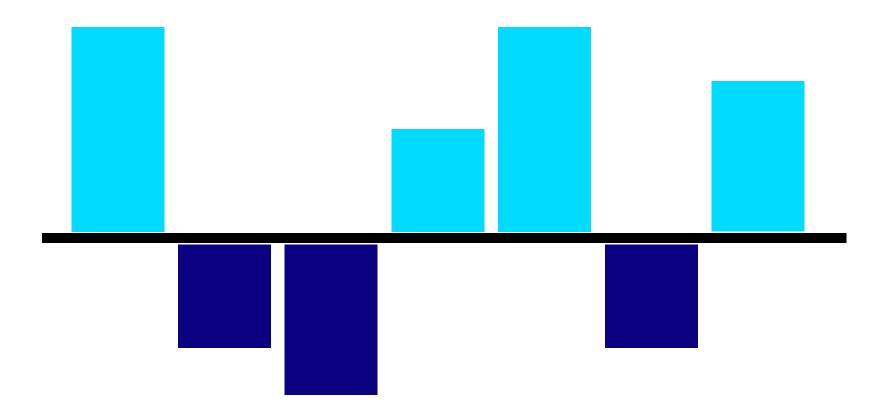


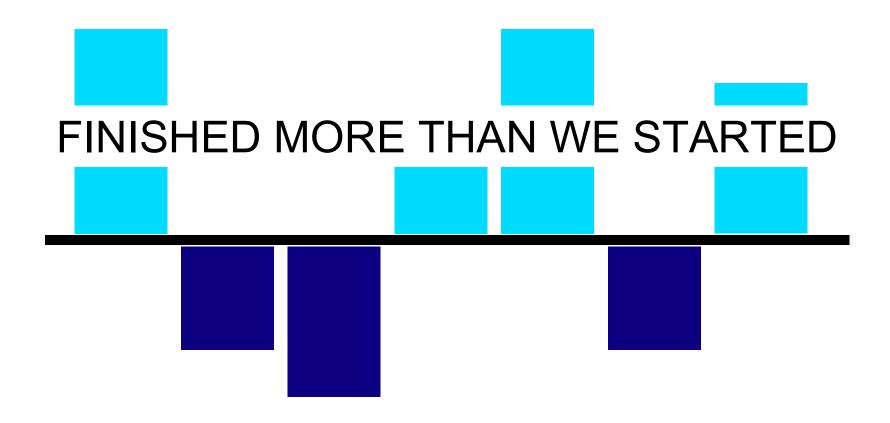


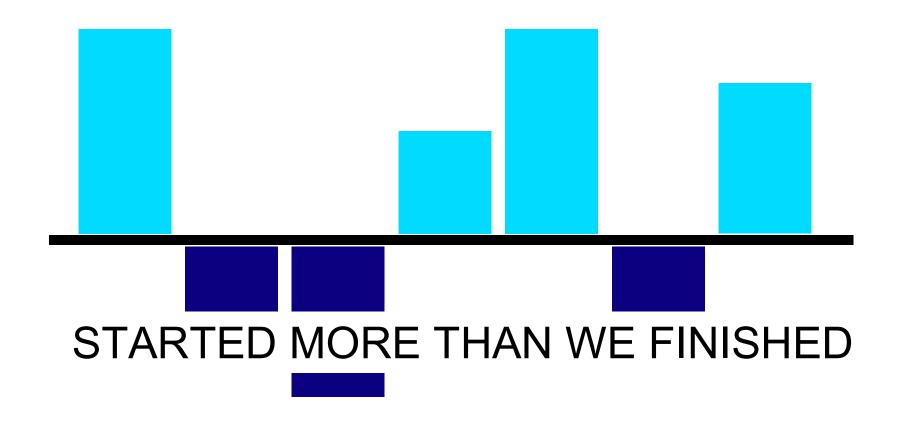












QUALITY

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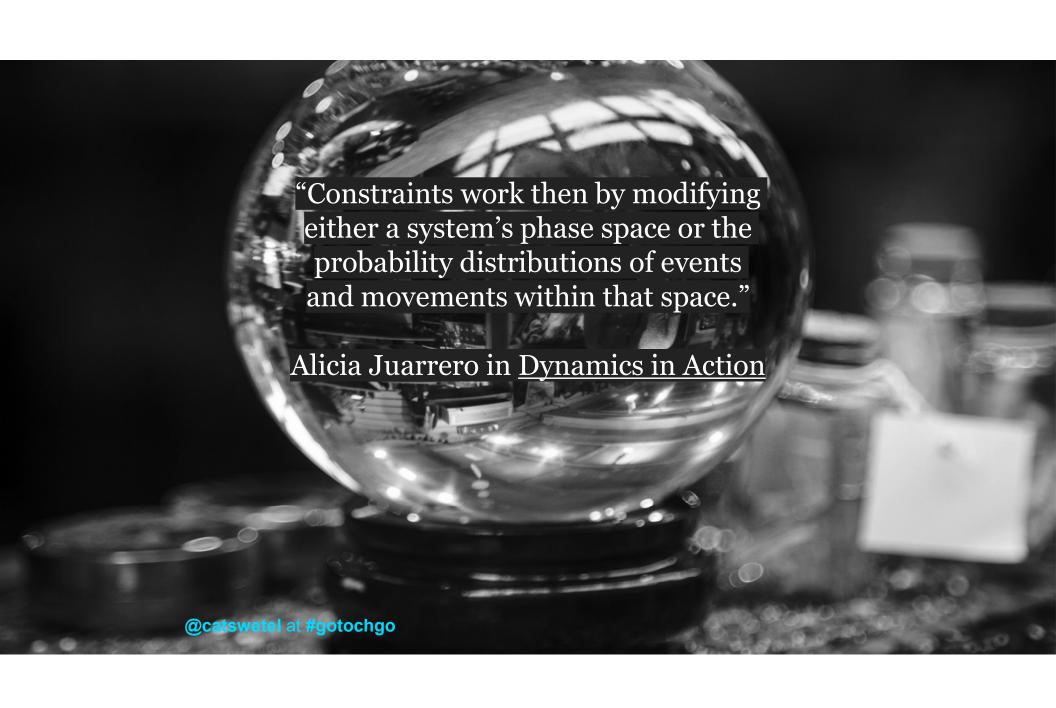
LITTLE'S LAW

Average # of items in a system = Average arrival rate Average time spent in the system

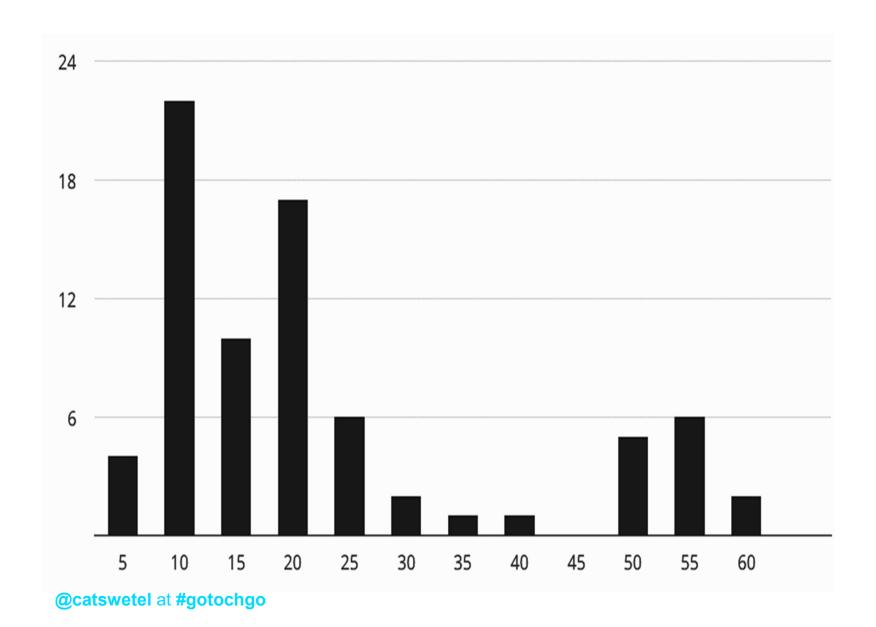
Average # of items in a system

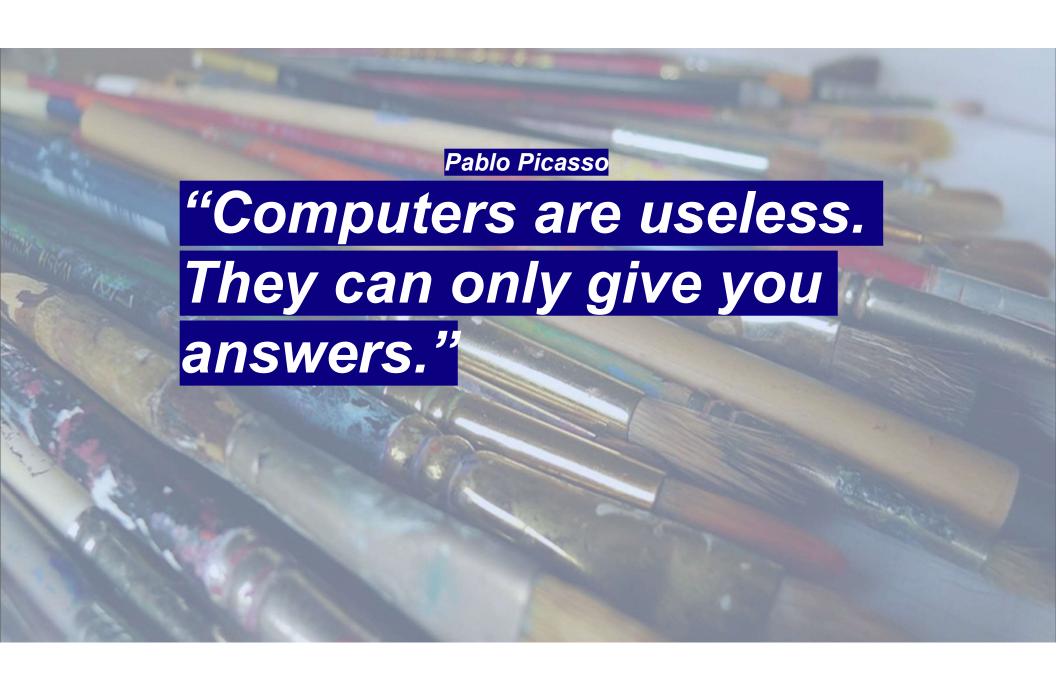
Average # of items in a system

Average # throughput

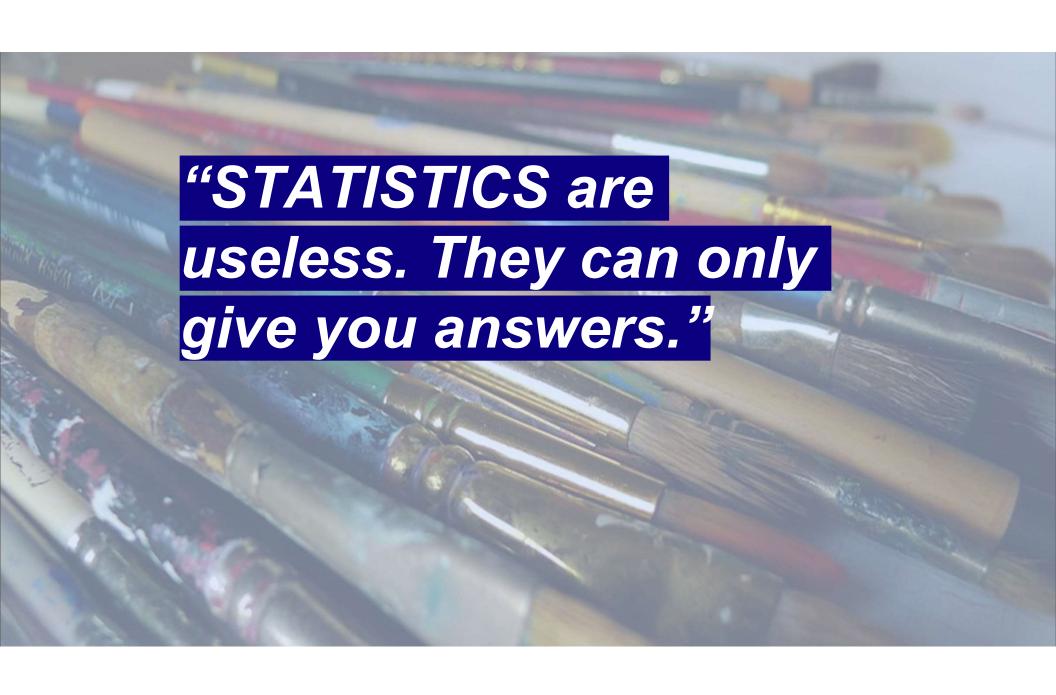


#NOESTIMATES @catswetel at #gotochgo











GOTO;



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GOTO;



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