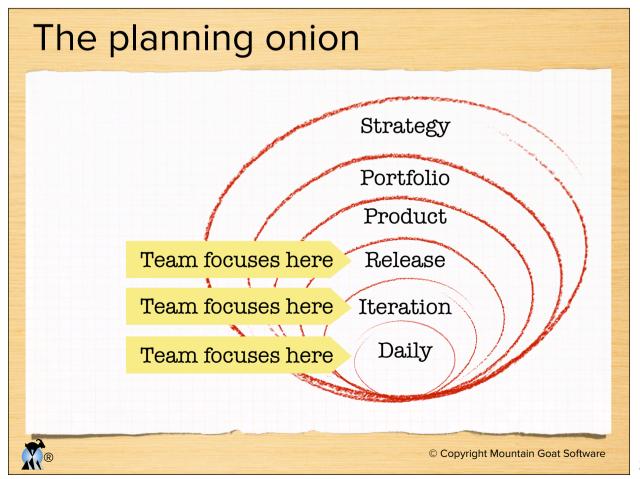
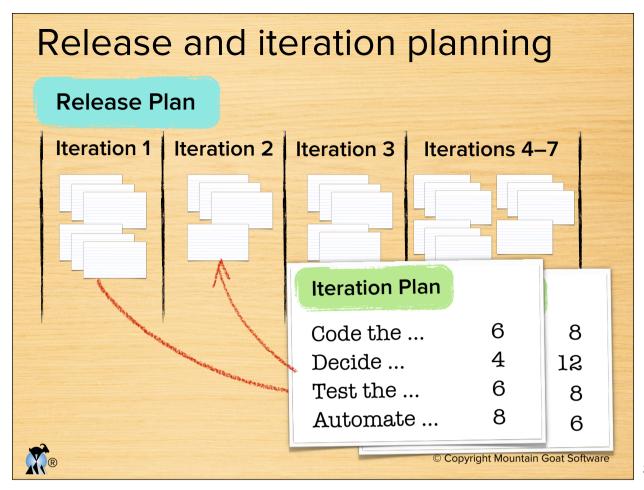
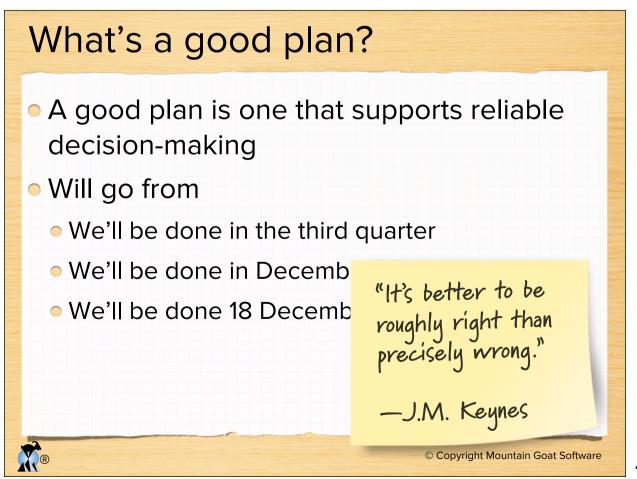
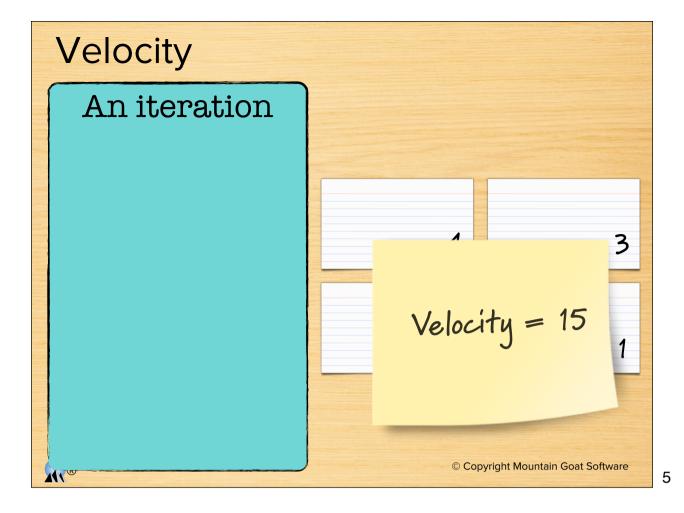
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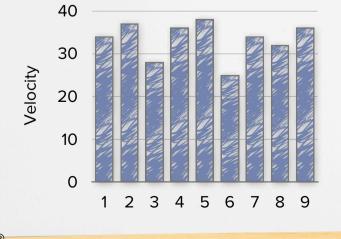




Velocity

 A useful long-term measure of the amount of work completed per iteration

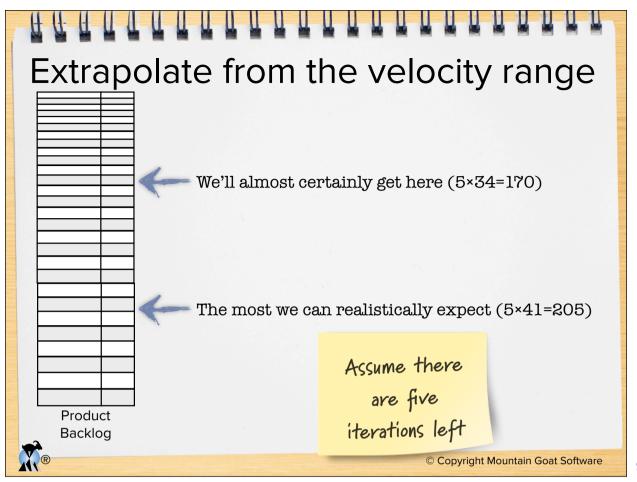
Most useful over at least a handful of iterations

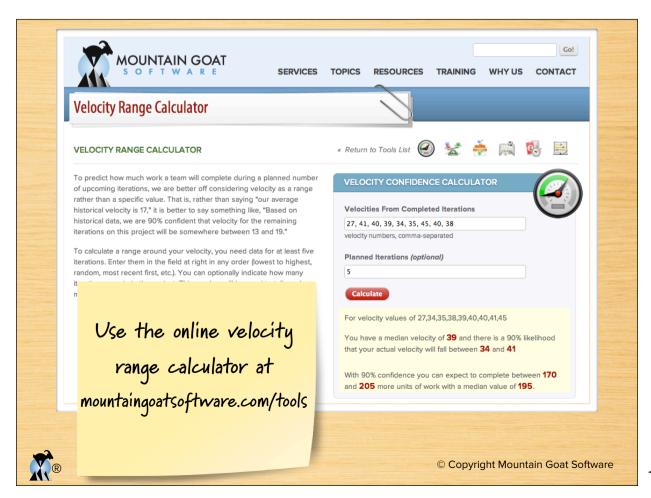


Velocity is measured in the units you use to estimate product backlog items

Five Planning Scenarios Q A team with historical data □ Fixed-date plans □ Fixed-scope plans □ A team with no velocity data □ A team changing size R © Copyright Mountain Goat Software

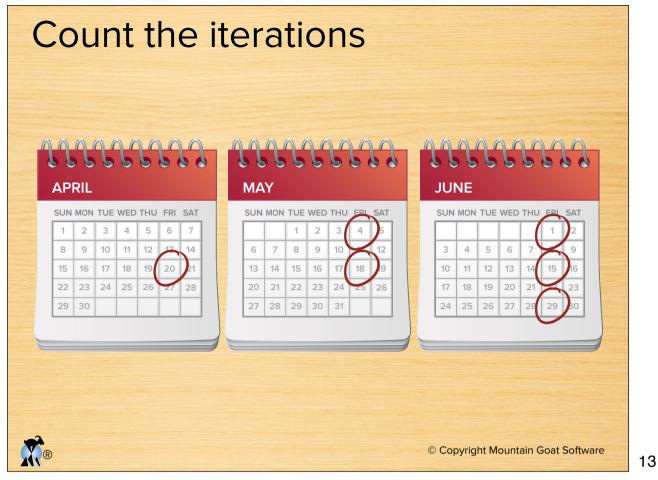
Calculate a confidence interval from historical data Iterations to # of throw out historical 27 from each iterations 34 each end 35 0 - 70 38 90% confidence 8-10 1 39 interval 11-12 2 40 13-15 3 40 16-17 4 41 18-20 5 45 21-22 6 Sorted Velocities 23-25 7 26 +8 R

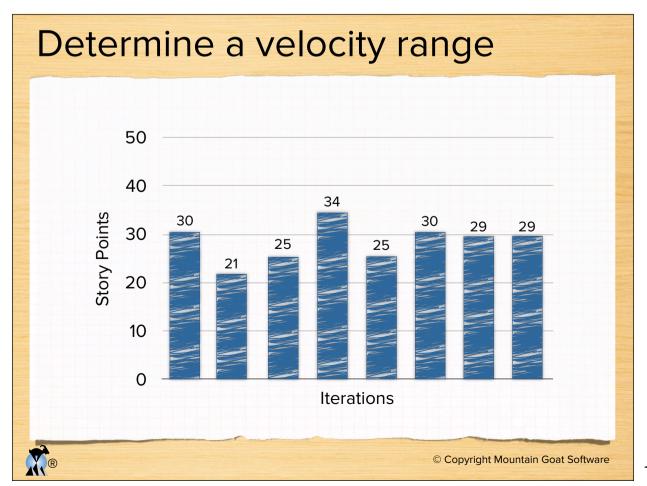


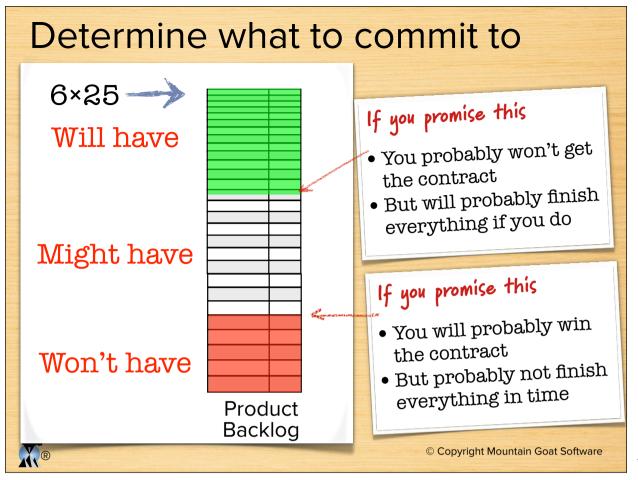


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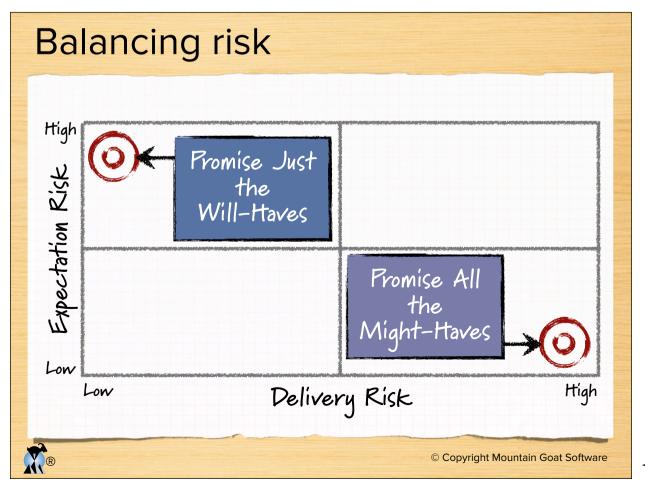
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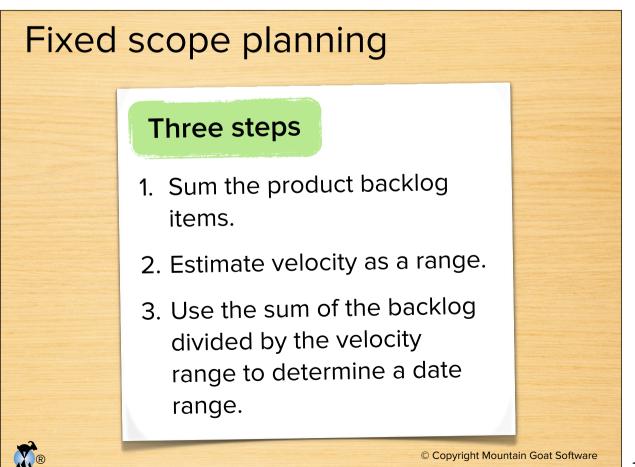


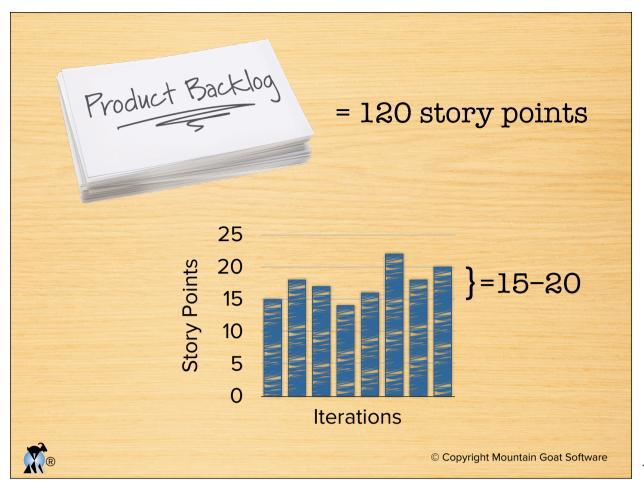


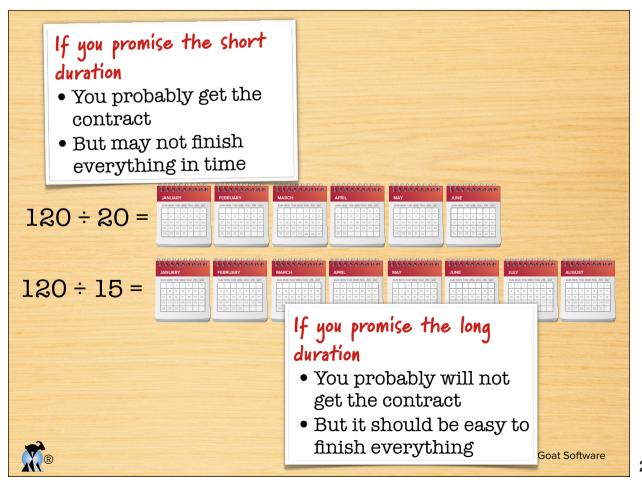


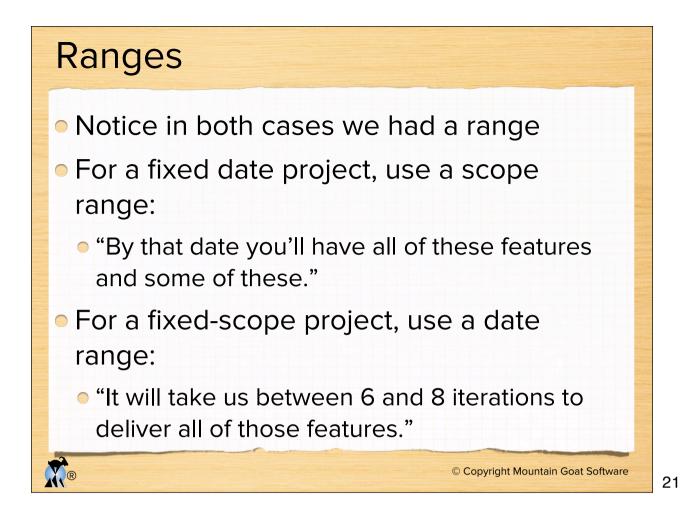


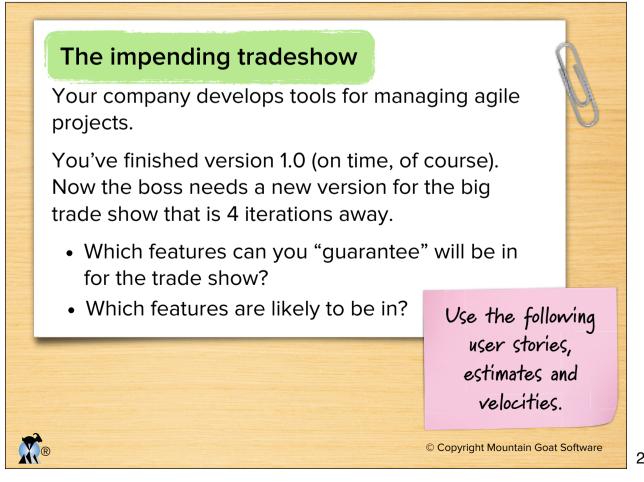
Five Planning Scenarios I A team with historical data Fixed-date plans Fixed-scope plans A team with no velocity data A team changing size R © Copyright Mountain Goat Software











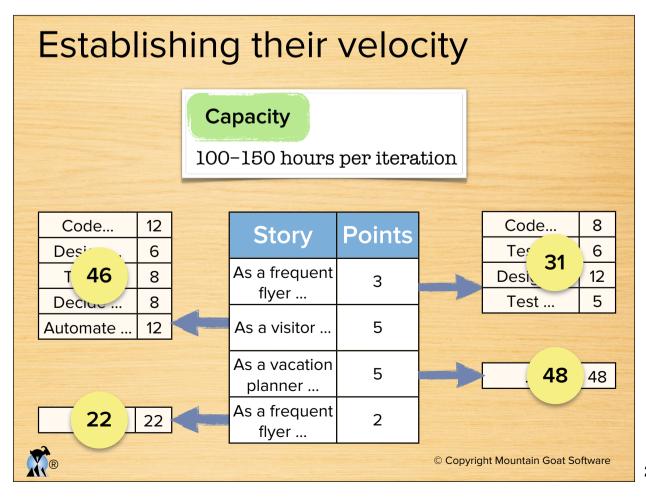
Pa	ast ve	locities	5			
	Historio					
	Iteration	Velocity		•	Your estimates	
	1	20				
	2	14				
	3	23				
	4	18				
	5	25		•		
	6	30				
er se se se	7	12				
	8	22				
	9	15		•		
	10	23				
R					© Copyright Mountain Goat Software	2

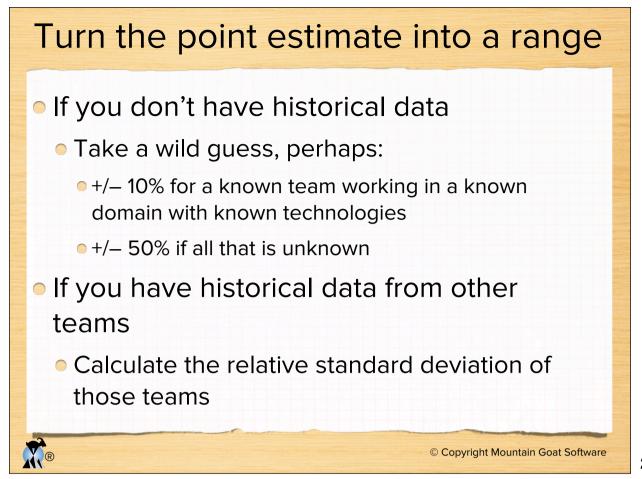
Product backlog item	Estimate	
 As the product owner I want to drag items onto a release burndown chart and see the impact to the release date. 	20	
 As a user at a company with lots of cash, I want your product to support touch screens so I can put a large one in our team room. 	13	
 As a user I would like performance to be about twice as fast as now during peak use periods. 	20	
 As a team member, I'd like to be able to do online planning poker estimating right inside the tool. 	13	
5. As a third party, I would like an SOA interface so that I can integrate my product with yours.	8	
6. As a team member I want RSS support for all changes to tasks or user stories so that I'm notified.	8	
 As the product owner, I want a new report that shows differences in the product backlog between different time periods. 	3	
8. As a team member I'd like to define templates of tasks that recur for lots of different stories so that I can reuse them	13	e

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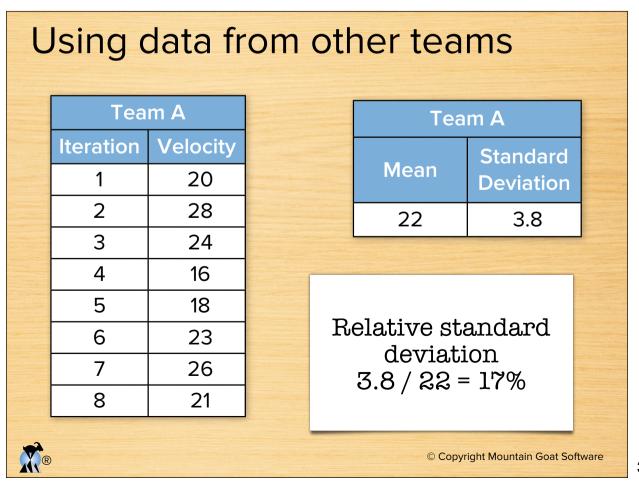
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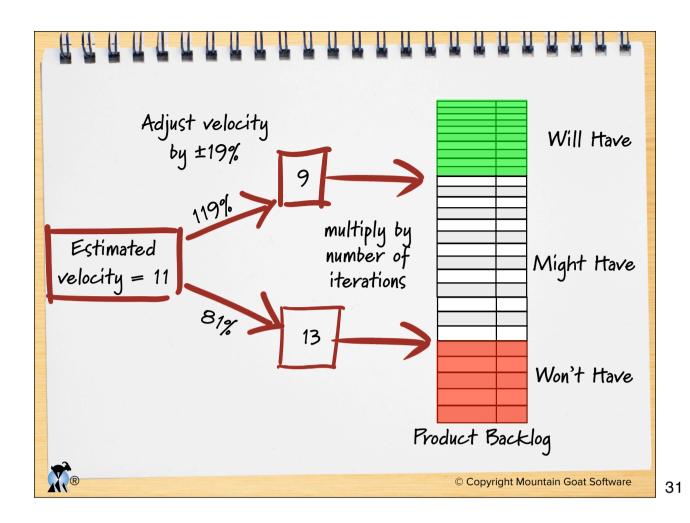
Consider this team							
	Person	Hours/Day	Hours / Iteration				
	Sergey	4–6	40–60				
	Yuri	4–6	40–60				
	Carina	2–3	20–30				
	T	otal	100–150				
R			© Copyright Mountain Goat S	oftwa			











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Track velocity when size changes								
	Initial Team Size	New Team Size	Iteration +1	Iteration +2	Iteration +3			
	6	7	-20%	-4%	+12%			
	6	7	0%	-6%	+15%			
	7	5	-12%	-8%	-8%			
	8	6	-20%	-20%	-16%			
	7	8	-15%					
	Track across the entire organization.							
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Impact of going from 6–7 people								
Initial Team Size	New Team Size	Iteration +1	It	teration +2	lt∢	eration +3		
6	7	-20%		-4%		+12%		
6	7	0%	-6%			+15%		
7	5	-12%		-8%		-8%		
	•••			ITeration		erage y Change		
				1		–10%		
				2		-	-5%	
	3+ -		+13%					
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