



## Agenda

- Statistical Process Control
- Process Control at Polaroid Case

## The process view

- The Red Bead experiment
  - https://www.youtube.com/watch?v=ckBfbvOXDv U

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	Ambulance response time (in minutes)						
Sample	1	2	3	4	5	X	R
1	5.02	5.01	4.94	4.99	4.96	4.98	0.08
2	5.01	5.03	5.07	4.95	4.96	5.00	0.12
3	4.99	5.00	4.93	4.92	4.99	4.97	0.08
4	5.03	4.91	5.01	4.98	4.89	4.96	0.14
5	4.95	4.92	5.03	5.05	5.01	4.99	0.13
6	4.97	5.06	5.06	4.96	5.03	5.01	0.10
7	5.05	5.01	5.10	4.96	4.99	5.02	0.14
8	5.09	5.10	5.00	4.99	5.08	5.05	0.11
9	5.14	5.10	4.99	5.08	5.09	5.08	0.15
10	5 01	1 0 2	5 00	5.07	4 00	5.03	0.10





3σ Control Chart Factors								
Sample size	⊼-chart	R-chart						
n	$\mathbf{A}_2$	D <sub>3</sub>	$D_4$					
2	1.88	0	3.27					
3	1.02	0	2.57					
4	0.73	0	2.28					
5	0.58	0	2.11					
6	0.48	0	2.00					
7	0.42	0.08	1.92					
8	0.37	0.14	1.86					

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## THANK YOU 25

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