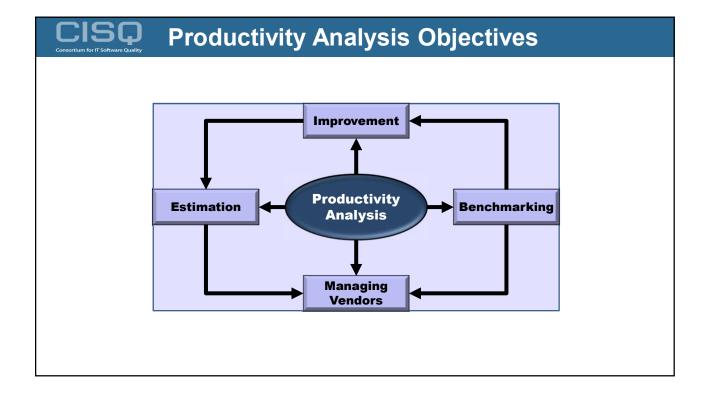
Advances in Measuring Software Size and Productivity

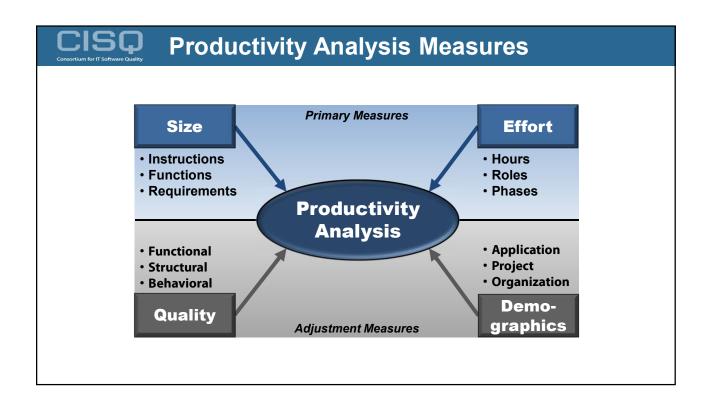




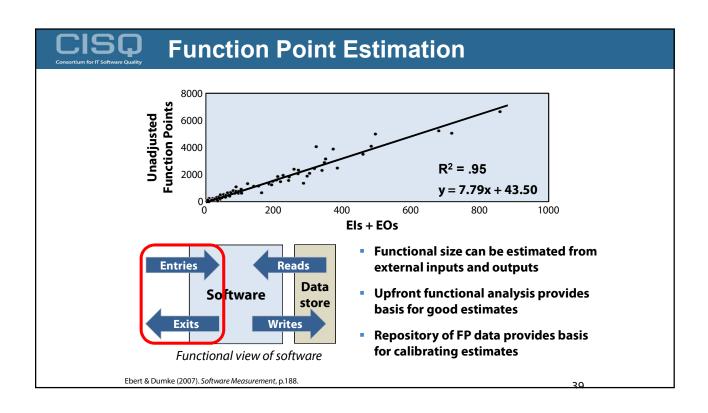


International Standards for Automating Software Size and Structural Quality Measurement



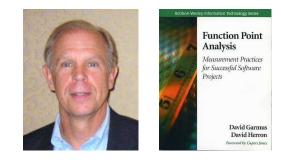


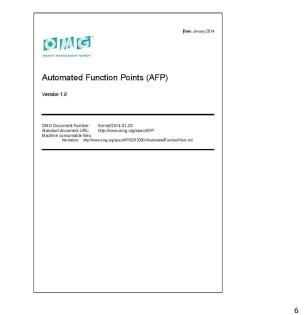
Instructions	Lines of Code
	erent definitions of a line can cause counts grams often accomplish the same uality coding.
Requirements-based	Use Case Points, Story Points
	come widely used and need more are subjective to each team and are s of bias.
Functions	Function Points
COSMIC, etc.). Manual coun	ing schemes (IFPUG, NESMA, Mark II, ating is expensive and subjective— by 10%. Automated FPs taking root.





- Mirrors IFPUG counting guidelines, but automatable
- Specification developed by international team led by David Herron of David Consulting Group
- Submitted thru OMG's fasttrack as ISO 19515, currently under review

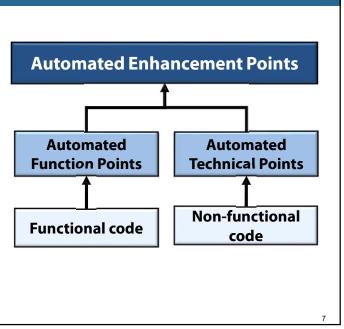


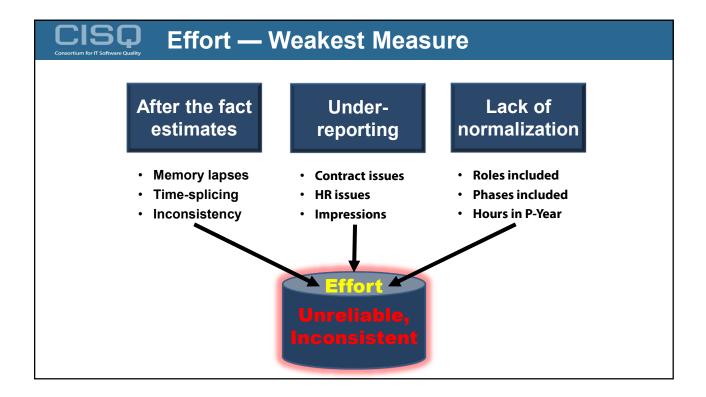


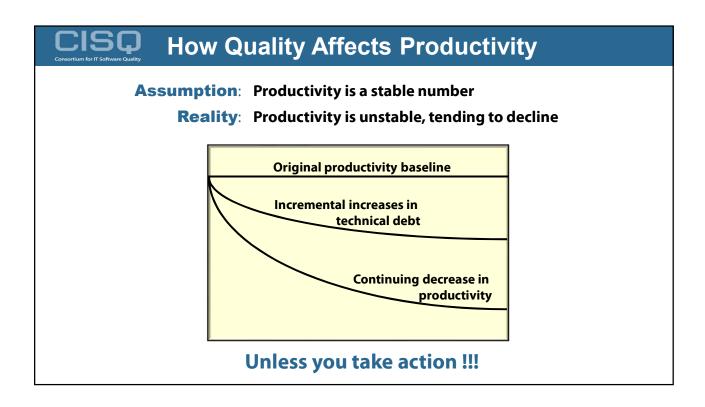
CISQ Automated Enhancement Points

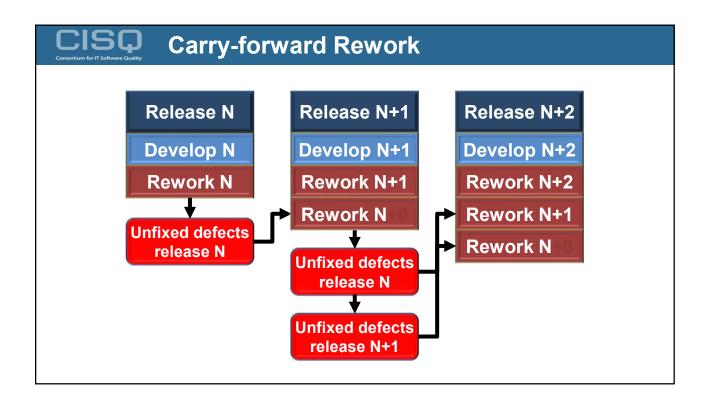
- IT shops found that both automated and manual Function Points had severe limitations in productivity analysis → they did not include the size of nonfunctional code
- The Automated Enhancement Points specification measures both functional and nonfunctional code and integrates them into one size measure

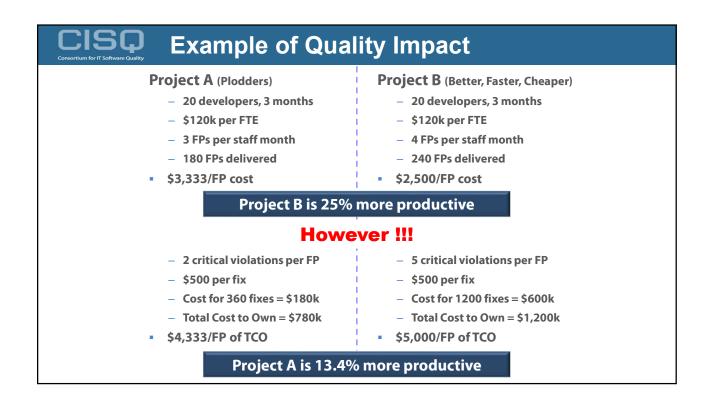
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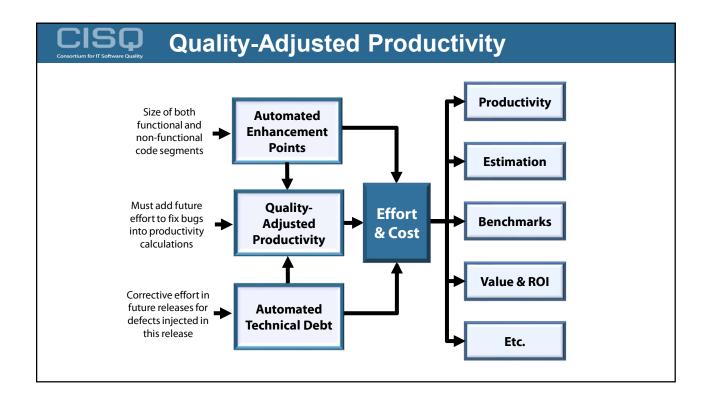


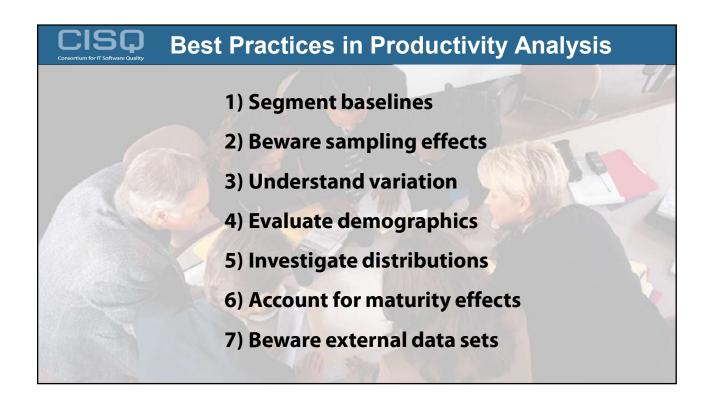












1SQ 2 — Segment Baselines Multiple baselines are usually the most valid		
Total Corporate 1981 1980	28 21	2342 1939
Telecommunications 1981 1980	14 12	1811 1458
Engineering & Defense 1981 1980	8 6	2965 2739
Business Applications 1981 1980	6 3	3054 1813

