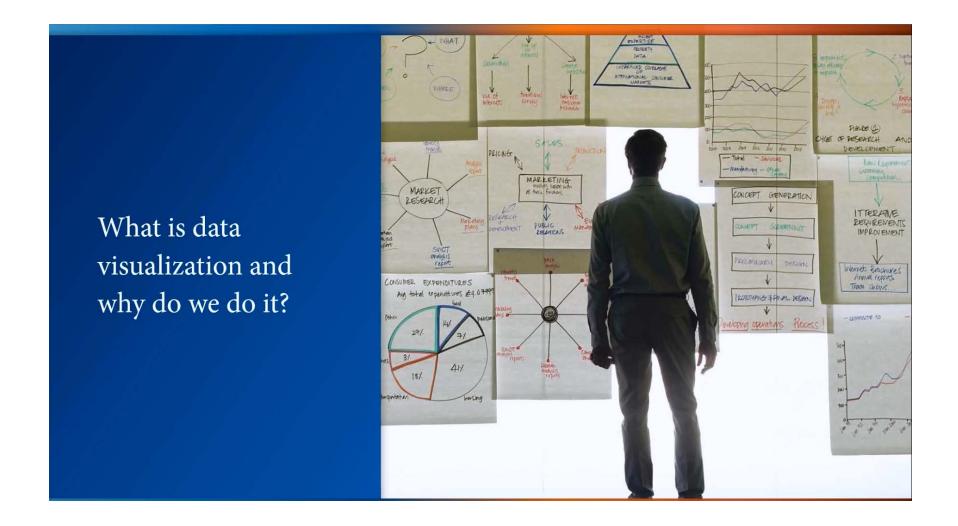
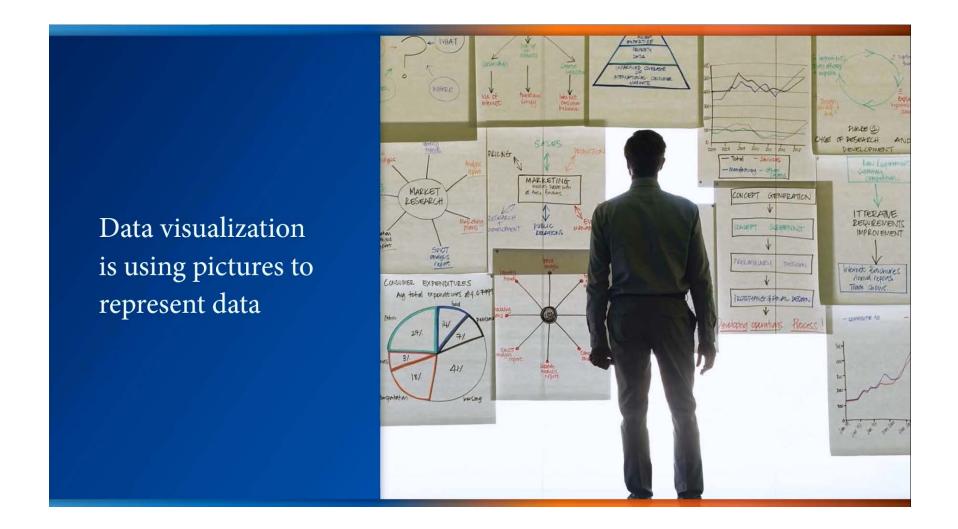
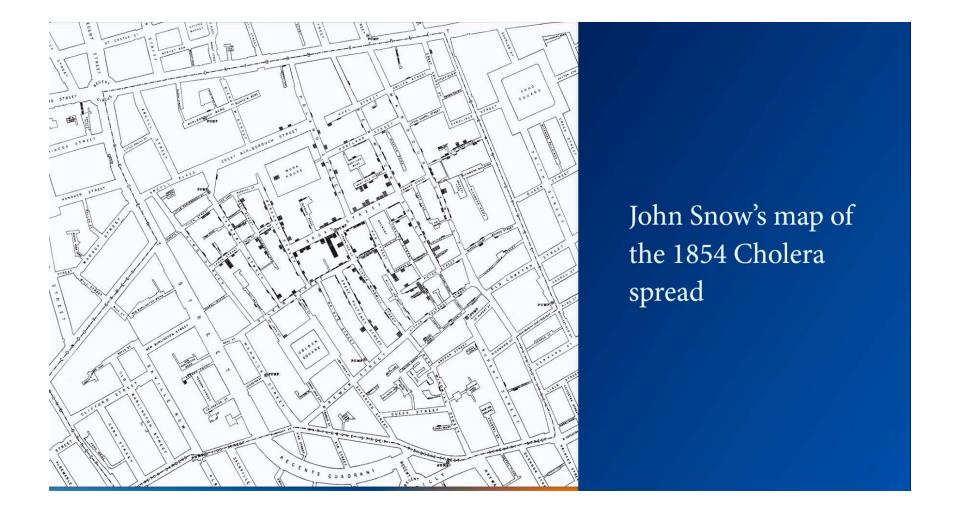


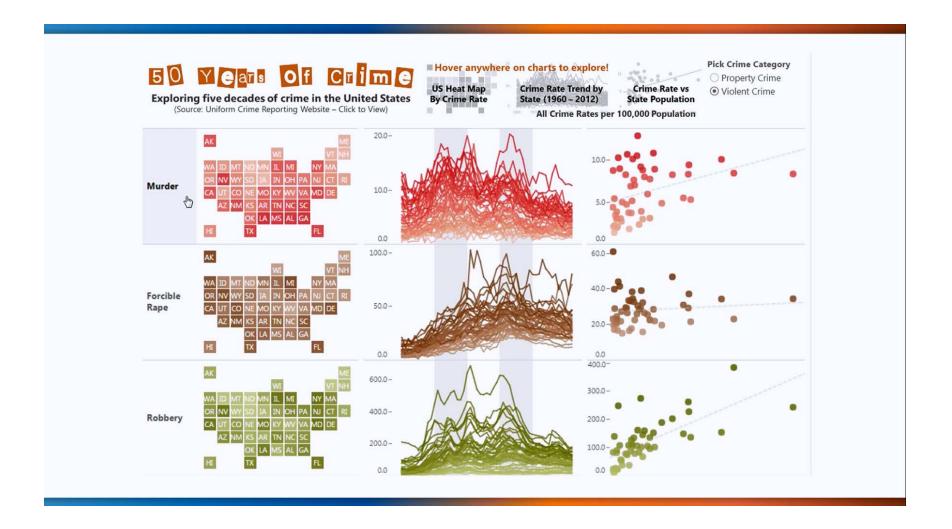
Fundamentals of Visualization

What is Data Visualization and Why Do We Do It?







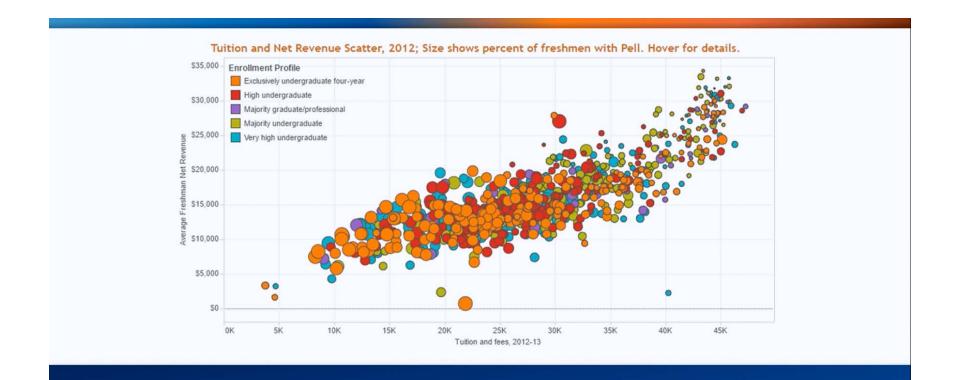




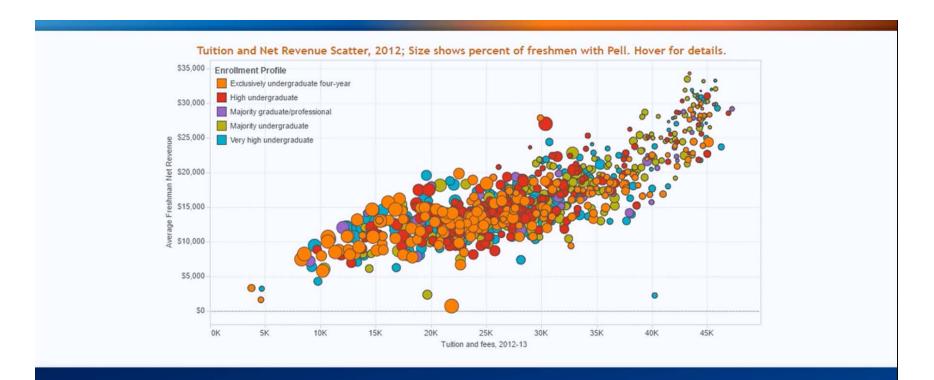
Data-driven or fact-based decision making

Decision makers can access the details they need quickly





Why should we do data visualization?



Data visualization helps us process data faster Known as "picture superiority effect"

	Product A	Product B	Product C	Product D	Product E	Product F	Product G	Product H
Northeast	\$15,749.00	\$40,195.00	\$15,472.00	\$63,029.00	\$ 8,509.00	\$42,987.00	\$27,778.00	\$12,510.00
Southeast	\$48,044.00	\$20,741.00	\$40,643.00	\$15,687.00	\$12,342.00	\$ 23,297.00	\$10,401.00	\$10,522.00
Central	\$ 5,240.00	\$45,296.00	\$16,114.00	\$63,359.00	\$58,198.00	\$ 24,191.00	\$46,826.00	\$50,278.00
Northwest	\$12,860.00	\$11,548.00	\$43,134.00	\$19,331.00	\$60,563.00	\$51,475.00	\$ 28,954.00	\$14,405.00
Southwest	\$37,087.00	\$61,506.00	\$54,084.00	\$14,715.00	\$17,811.00	\$32,814.00	\$47,853.00	\$44,639.00

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The computational process (machine learning) uncovers relationships

