

Death by PowerPoint

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Most Common PowerPoint Mistakes

1. People tend to put every word they are going to say on the PowerPoint slide. Although this eliminates the need to memorize your talk, ultimately this makes your slides crowded, wordy and boring. You will lose your audience's attention before you reach...

(Continued) the bottom of your first slide.

Most Common PowerPoint Mistakes

2. Many people do not run spell check before their presentation.

BIG MISTAK!!! Nothing makes the speaker look stupid or that spelling errors.

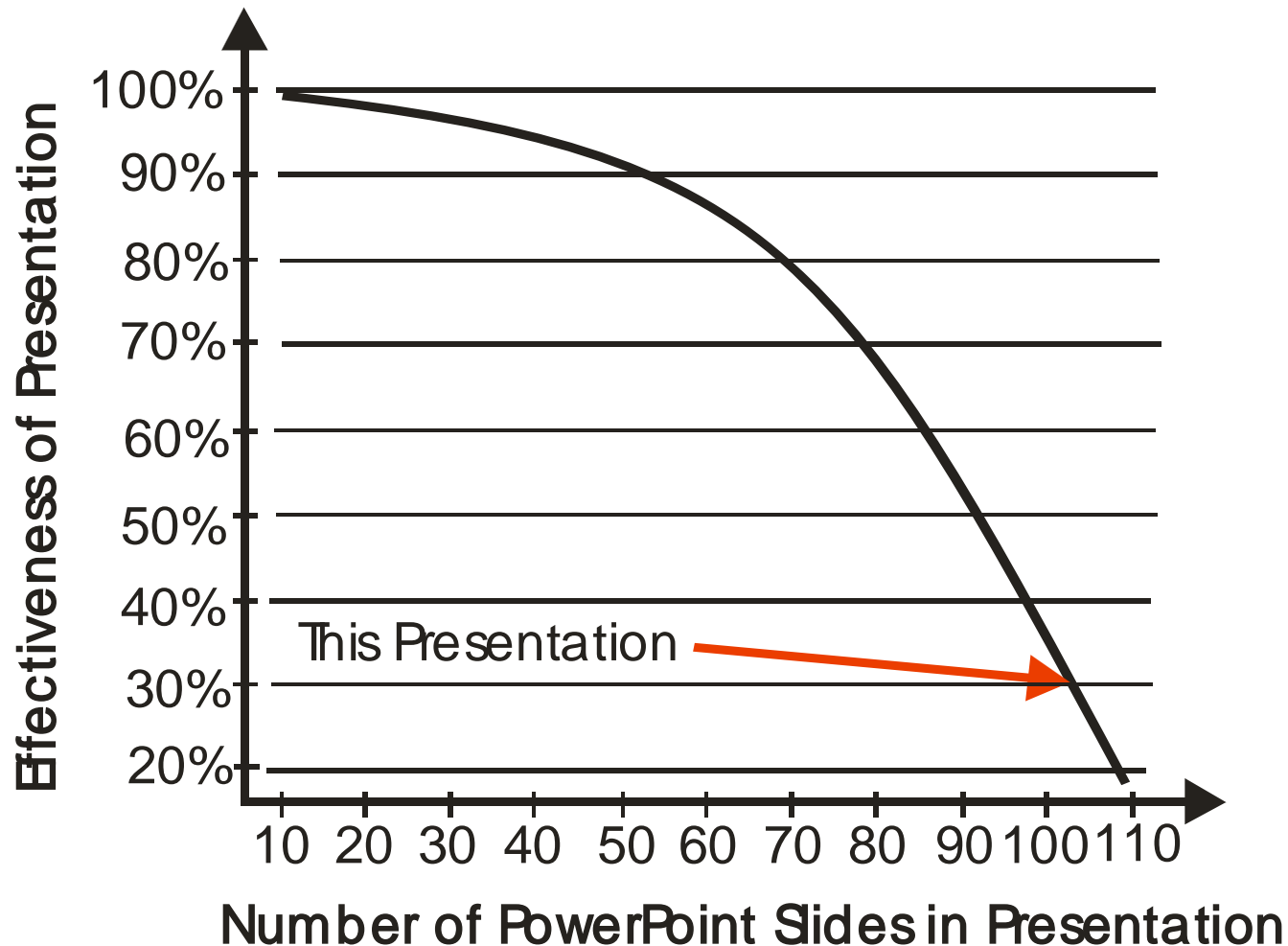
Most Common PowerPoint Mistakes

- Avoid
- Excessive
- Bullet
- Pointing.
- Only
- Bullet
- Key
- Points.
- Too
- Many
- Bullet
- Points
- And
- Your
- Key
- Messages
- Will
- Not
- Stand
- Out.
- In Fact
- The
- Term
- Bullet Point
- Comes
- From
- People
- Firing
- Guns at
- Annoying
- Presenters

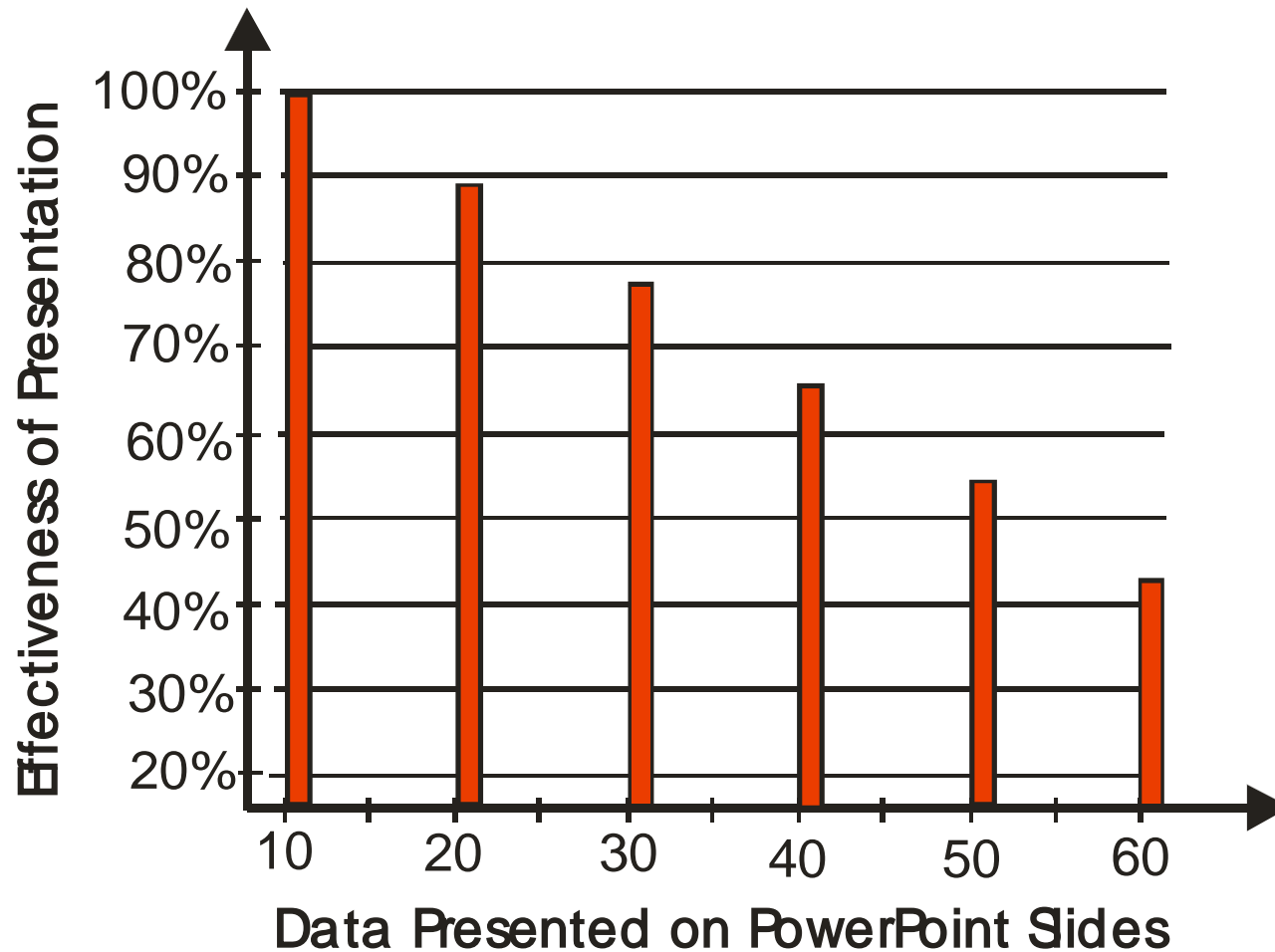
Bad Color Schemes

- Clashing color schemes and font colors can lead to
- Distraction
- Confusion
- Headaches
- Nausea
- Vomiting
- Lack of Bladder Control

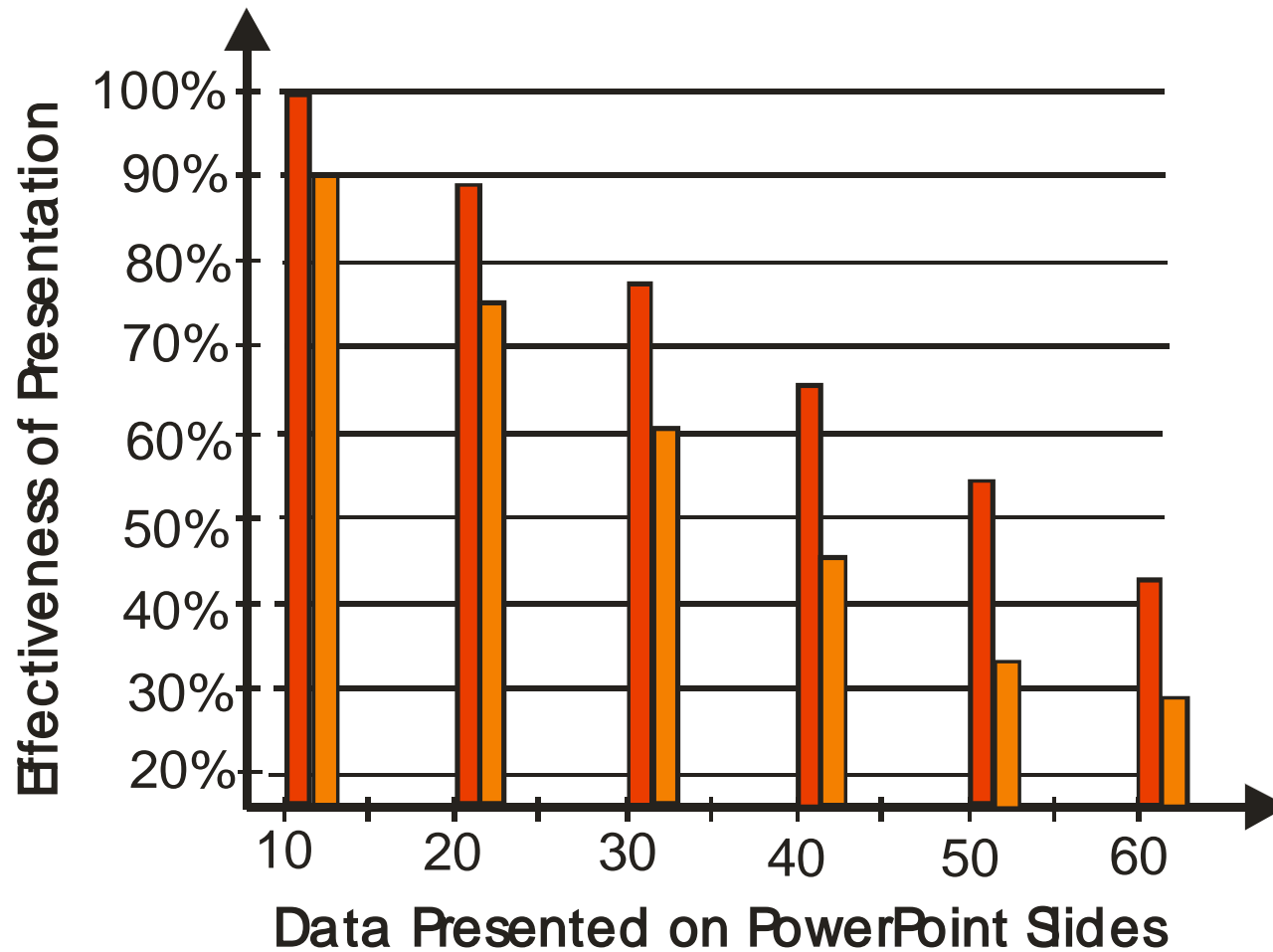
Number of PowerPoint Slides versus Usefulness of Talk



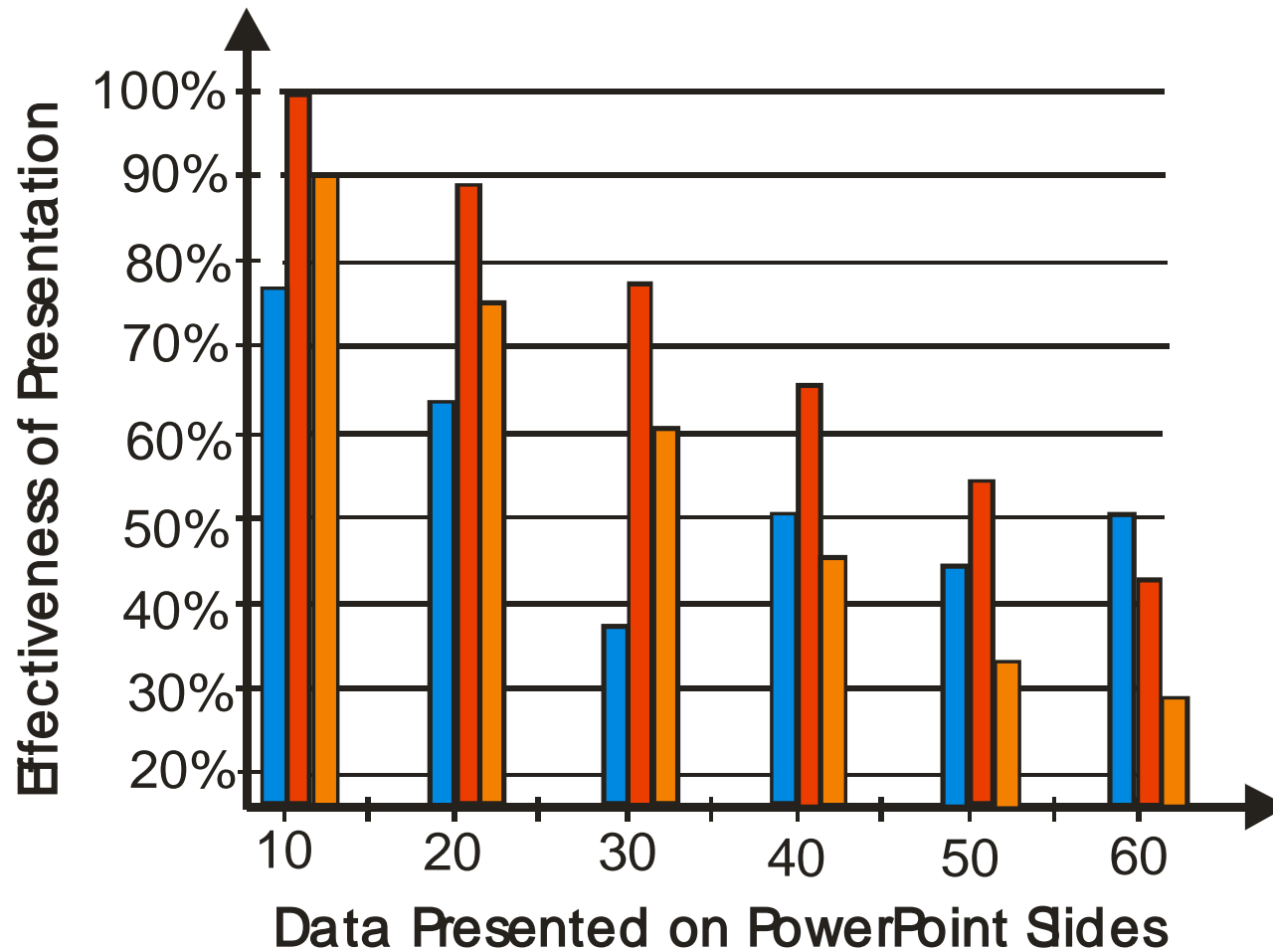
Effectiveness Versus Data



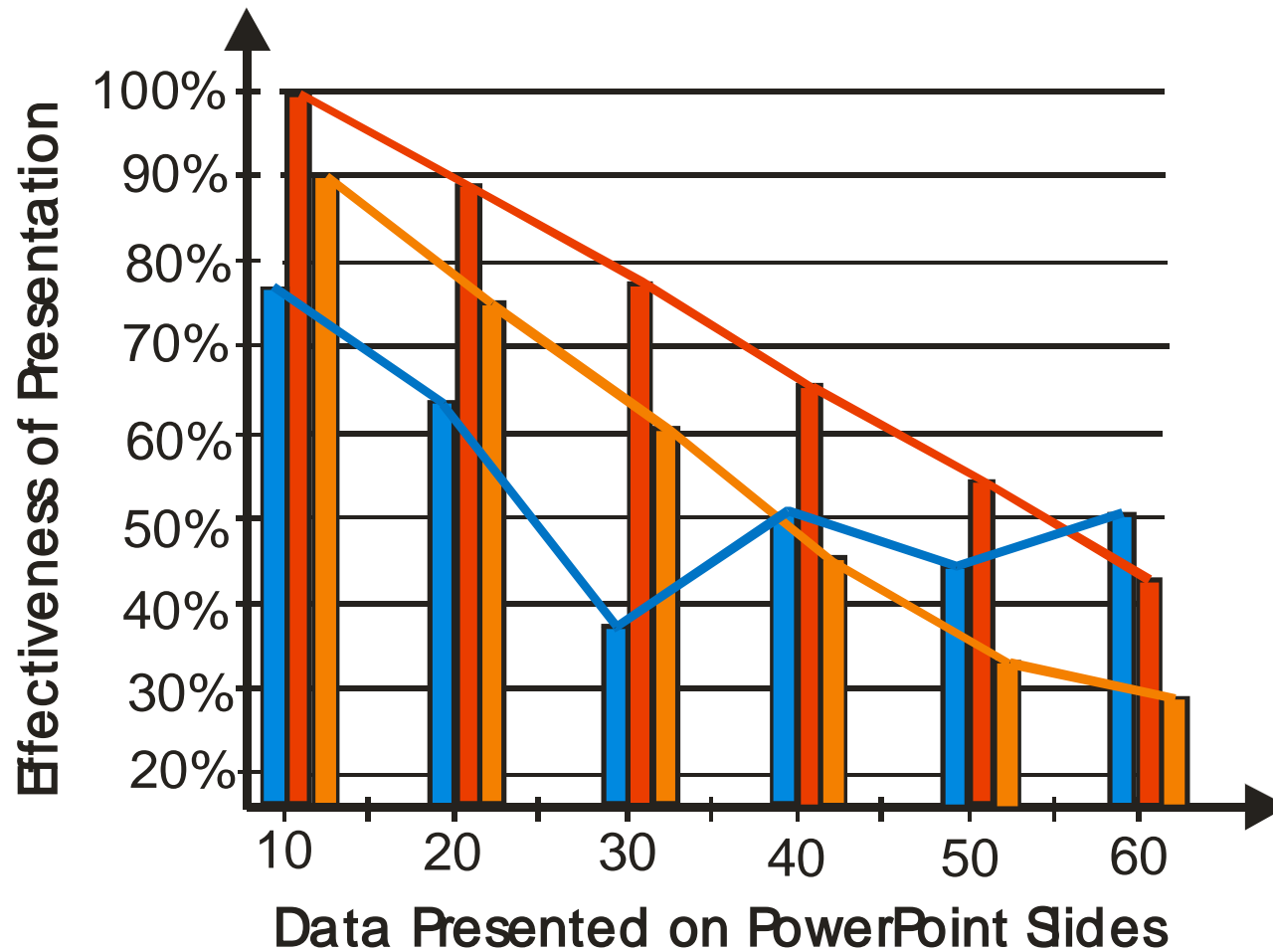
Effectiveness Versus Data



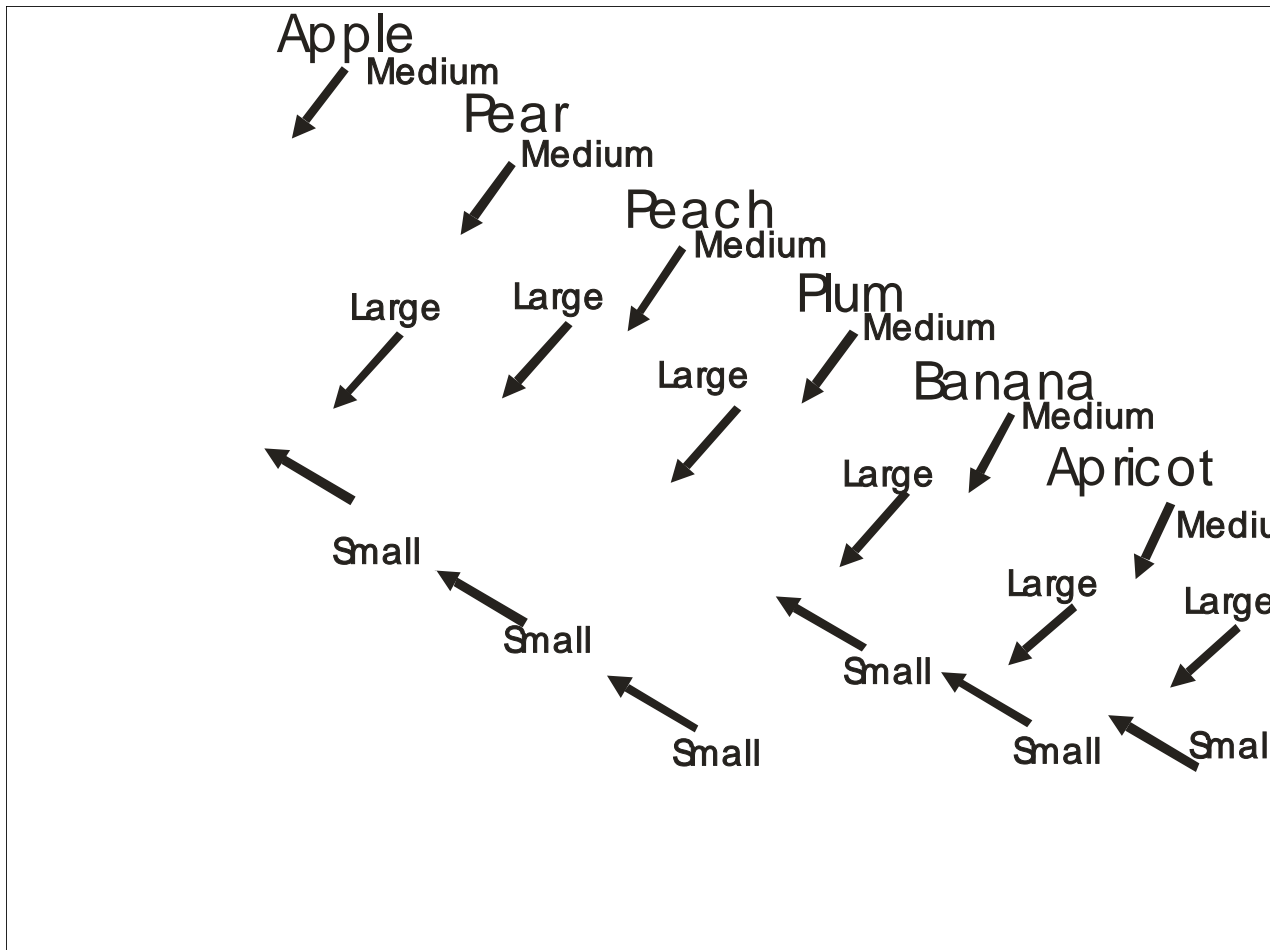
Effectiveness Versus Data



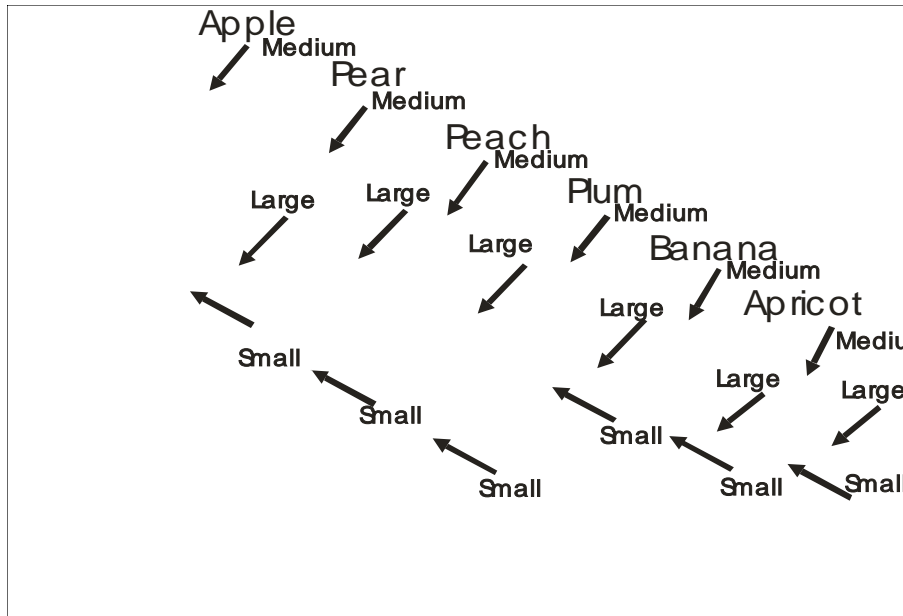
Effectiveness Versus Data



Effectiveness Versus Data



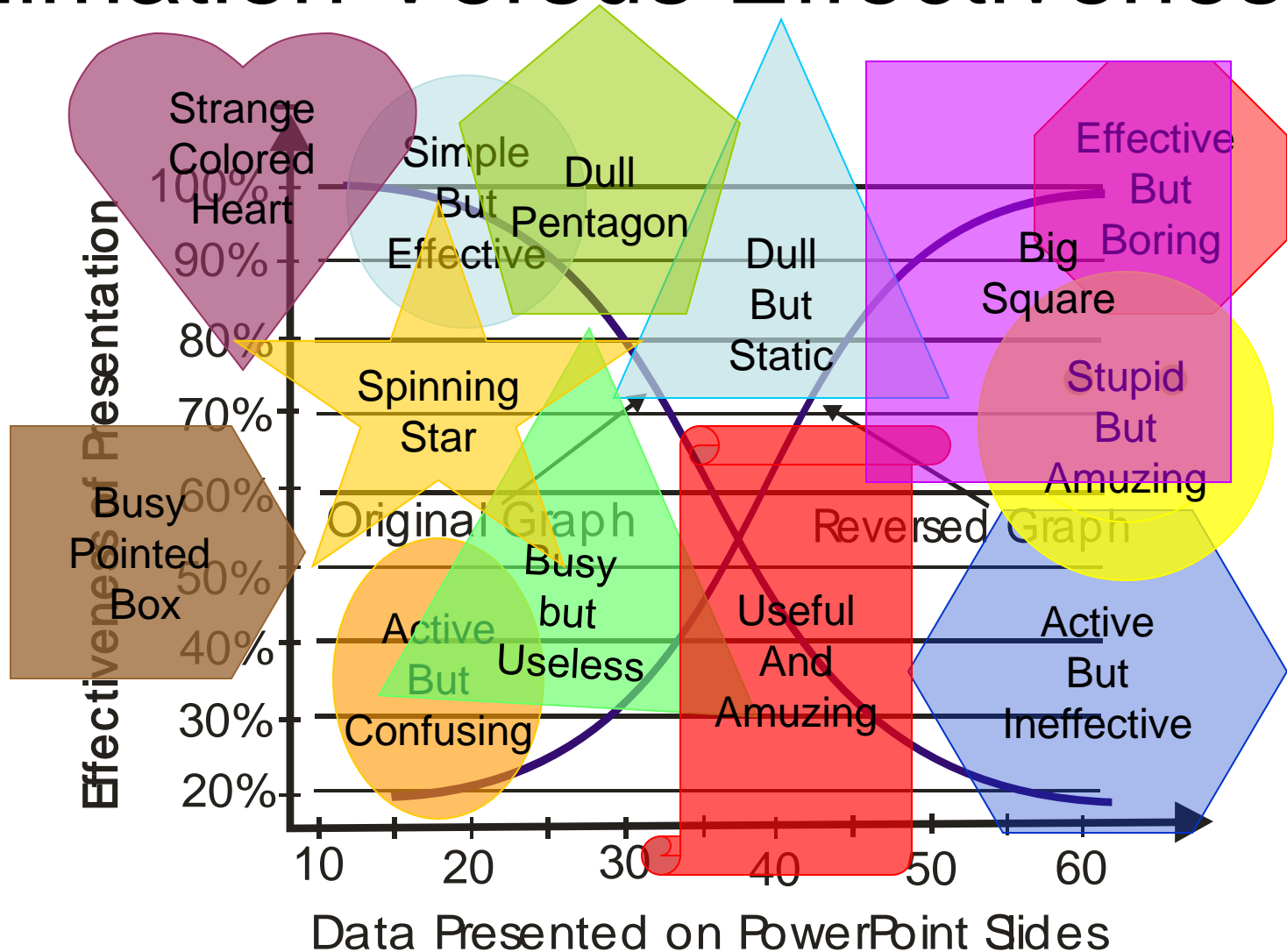
Effectiveness Versus Data



Clarifying Detail of Figure and Additional Useful Information can Be Found in table Below. More information can Be obtained from web site moreboringstuff.com

	Green	Green	Red	Purple	Yellow	Apricot

Animation Versus Effectiveness



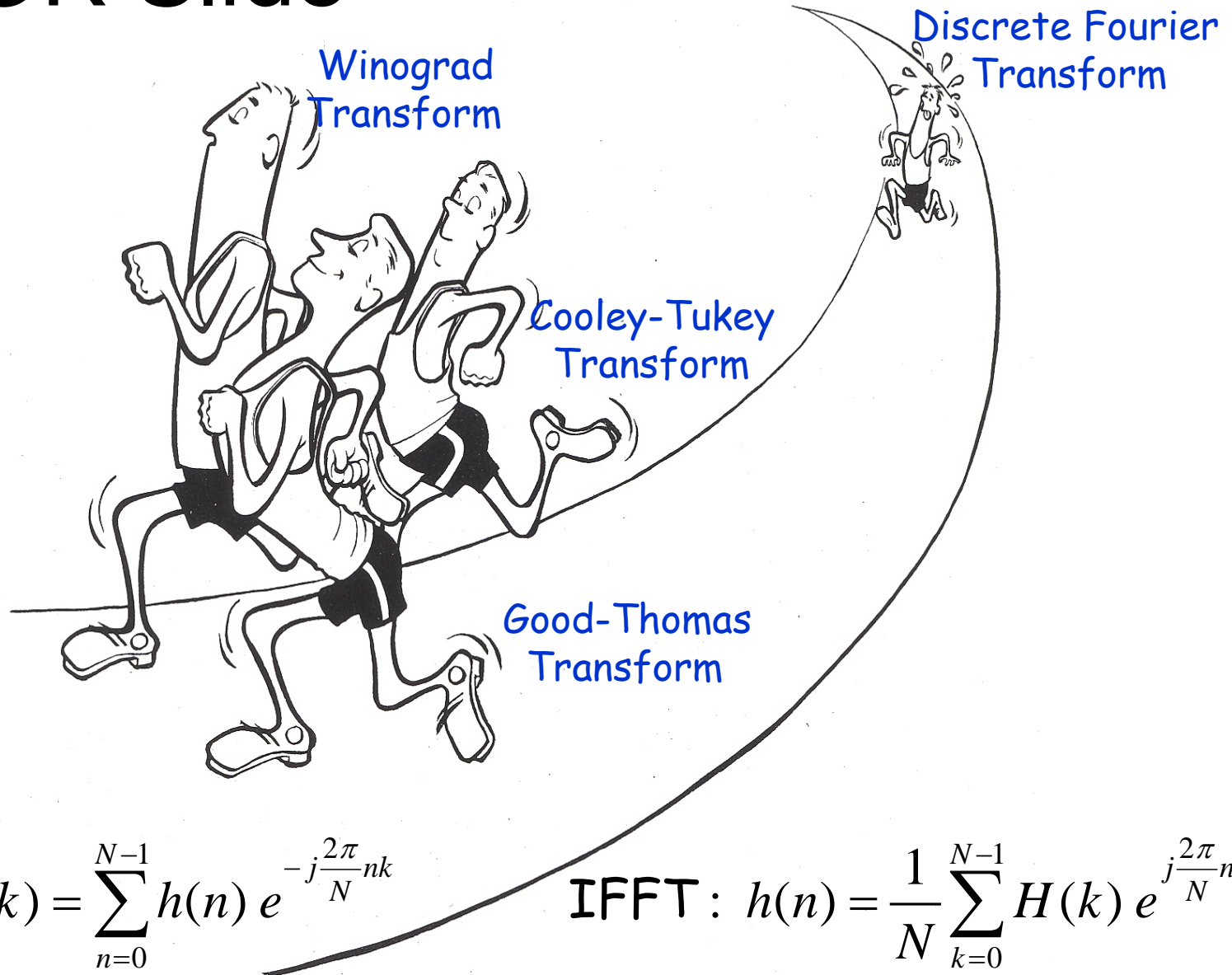
Good Advice

- Don't fill the screen with Equations
- Don't place more than a few items on screen
- PowerPoint slides are cheap use another slide rather than crowd the slide
- Don't use dark backgrounds and colored fonts.
- View your slides on a projector. Colors and Contrast Differ from that seen on a monitor.
- Don't make a sales presentation!
- Make sure audience feel that they learned something useful from presentation.
- Put yourself in the audience's position. Would they find the presentation Interesting? Informative?

More Good Advice

- Inject some humor in presentation
- Use Lots of Pictures
- Use Very Few Equations

An OK Slide



$$\text{FFT: } H(k) = \sum_{n=0}^{N-1} h(n) e^{-j\frac{2\pi}{N}nk}$$

$$\text{IFFT: } h(n) = \frac{1}{N} \sum_{k=0}^{N-1} H(k) e^{j\frac{2\pi}{N}nk}$$

Find one or more faults in this Slide

Cooley-Tukey and Good-Thomas Fast Fourier Transforms

$$F(k) = \sum_{n=0}^{N-1} f(n) w_N^{nk}$$

Here we can clearly see the relationship between the simplification of the double sum due to the twiddle factor

$$F(k_1, k_2) = \sum_{n_1=0}^{N_1-1} \sum_{n_2=0}^{N_2-1} f(n_1, n_2) w_{N_1 N_2}^{(n_1+n_2 N_1)(k_1+k_2 N_2)}$$

Examine product in Exponent

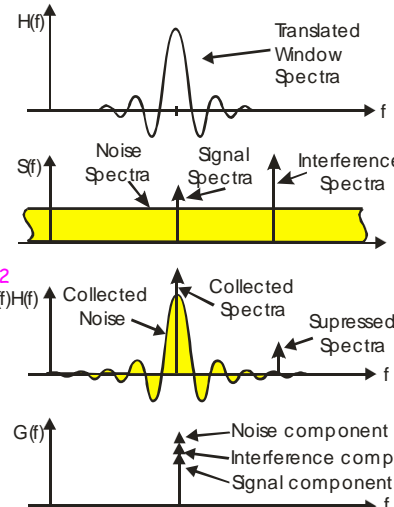
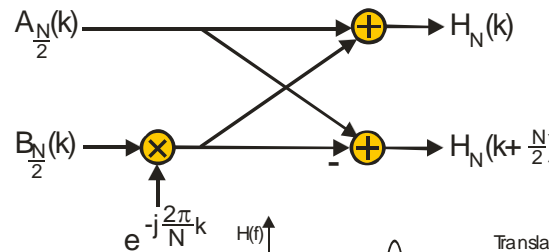
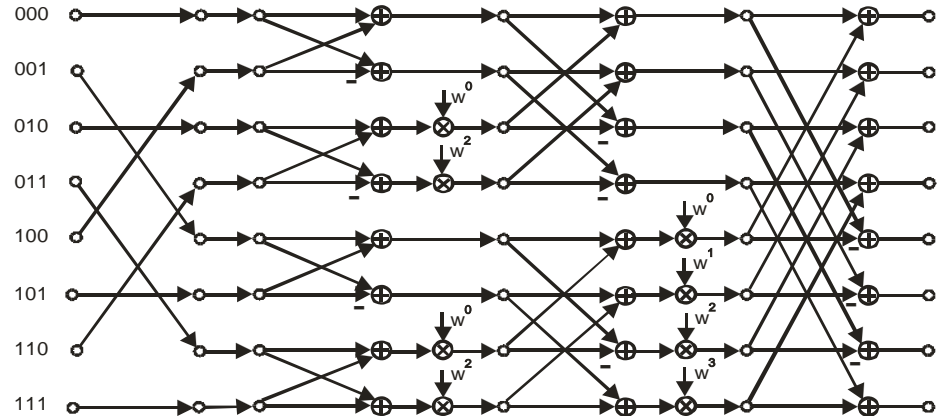
$$w_N^{nk} = w_N^{n_1 k_1} w_N^{n_1 k_2 N_2} w_N^{n_2 k_1 N_1} w_N^{n_2 k_2 N_1 N_2}$$

$$= w_N^{n_1 k_1} w_{N_1}^{n_1 k_2} w_{N_2}^{n_2 k_1}$$

$$F(k_1, k_2) = \sum_{n_1=0}^{N_1-1} \sum_{n_2=0}^{N_2-1} f(n_1, n_2) w_N^{n_1 k_1} w_{N_1}^{n_1 k_2} w_{N_2}^{n_2 k_1}$$

$$= \sum_{n_1=0}^{N_1-1} \left[w_N^{n_1 k_1} \sum_{n_2=0}^{N_2-1} f(n_1, n_2) w_{N_2}^{n_2 k_1} \right] w_{N_1}^{n_1 k_2}$$

Oops a clear space: we have to fill this with something



$$F(k) = \sum_{n=0}^{N-1} f(n) w_N^{nk}$$

$$F(k_1, k_2) = \sum_{n_1=0}^{N_1-1} \sum_{n_2=0}^{N_2-1} f(n_1, n_2) w_{N_1 N_2}^{(n_1 M_2 N_2 + n_2 M_1 N_1)(k_1 N_2 + k_2 N_2)}$$

Examine product in Exponent

$$w_N^{nk} = w_N^{n_1 k_1 M_2 N_2} w_N^{n_2 k_2 M_1 N_1} w_N^{n_1 k_2 M_2 N_2} w_N^{n_2 k_1 M_1 N_1}$$

$$w_N^{nk} = w_N^{(n_1 k_1 N_2)} w_N^{(-n_1 k_1 M_1 N_1 N_2)} w_N^{(n_1 k_2 N_1)} w_N^{(-n_2 k_2 M_2 N_2 N_1)}$$

Oops Missed a spot.

$$F(k_1, k_2) = \sum_{n_1=0}^{N_1-1} \sum_{n_2=0}^{N_2-1} f(n_1, n_2) w_{N_1}^{n_1 k_1} w_{N_2}^{n_2 k_2}$$

Good luck

And Happy Presenting!