



Sources of campaign failures

Theory failures

Intervention failures

Political failures

Measurement failures

Robert Hornik, 1988



Theory failures

- Wrong social-behavioral theory used to understand problem factors and devise strategy
 - Poor understanding of audience
 - Poor messages

Robert Hornik, 1988



Intervention failures

- Insufficiently powerful messages delivered with insufficient force for an insufficient time to create effect
 - Web of exposure
 - Channel synergy
 - “Noise”

Robert Hornik, 1988

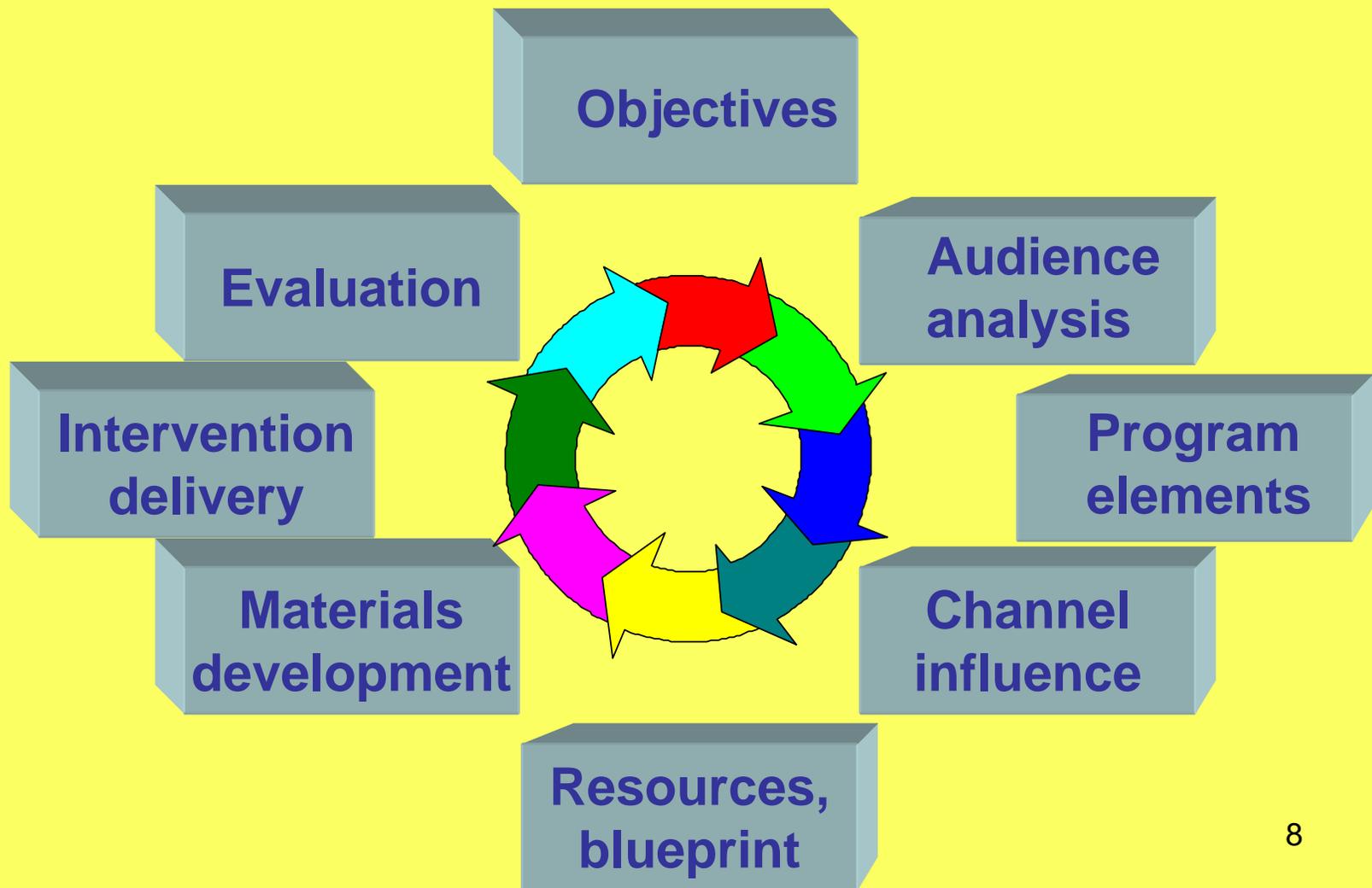


Measurement failure

- Evaluation design
- Traditional quasi-experimental approach
 - Pre-post, controlled (Intervention v. Reference)
- Problem of the secular trend
 - Change continuous, not constant, units not able to be isolated in classic design(s)
- “Degrees of freedom” problem
 - Units measured, frequency of measurement

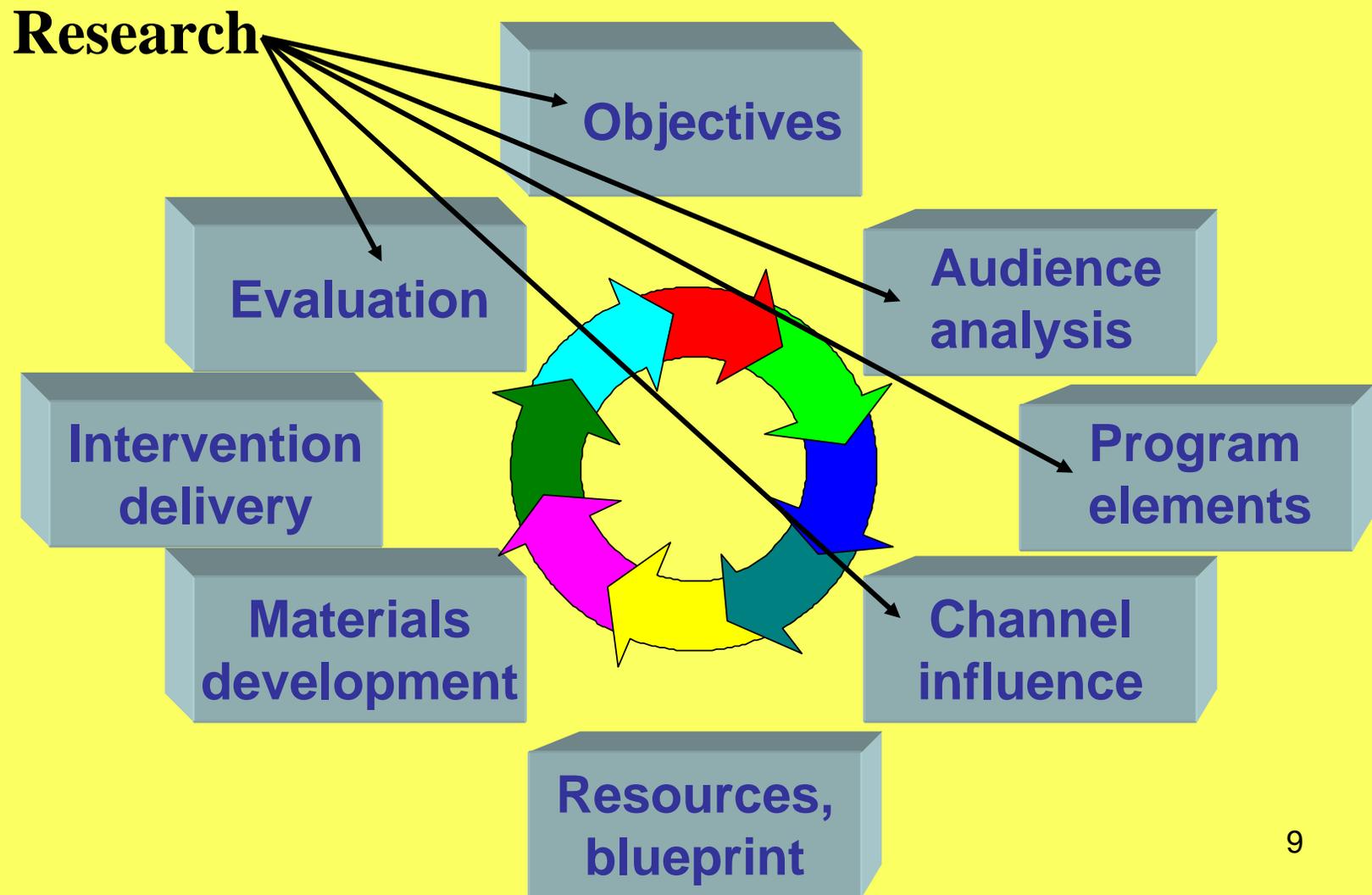


Social Marketing cycle





Social Marketing cycle





Maximizing exposure

- Planning: science and art
 - Process research
 - Did it reach targets?
 - With what power (reach and frequency)?
 - What intermediate effects?
 - Unintended effects?
 - Adjustments?



Time series strategies

- *Ideodynamic* approach (D. Fan)
- Linking media content to opinion, behavioral changes longitudinally: InfoTrend™ software
- Based on:
 - Content analysis rules (human and computer)
 - Automated retrieval of content from databases
 - Conversion of content to “persuasive force”
 - Content used to predict opinion, behavior, other relevant outcomes



Example: Youth Smoking

- Goal: Predict rise and fall of smoking within the past 30 days from 1991 to 2002 among US 8th, 10th & 12th graders
 - Funded by a grant from the NCI



Example: Youth Smoking

- N = 63,140 news stories
- N = 13,430 Internet Use Groups postings (archived)
- Relevant paragraphs retrieved and coded containing Pro and Con smoking content
- Differential equations applied to predict outcome of *Smok30Day*

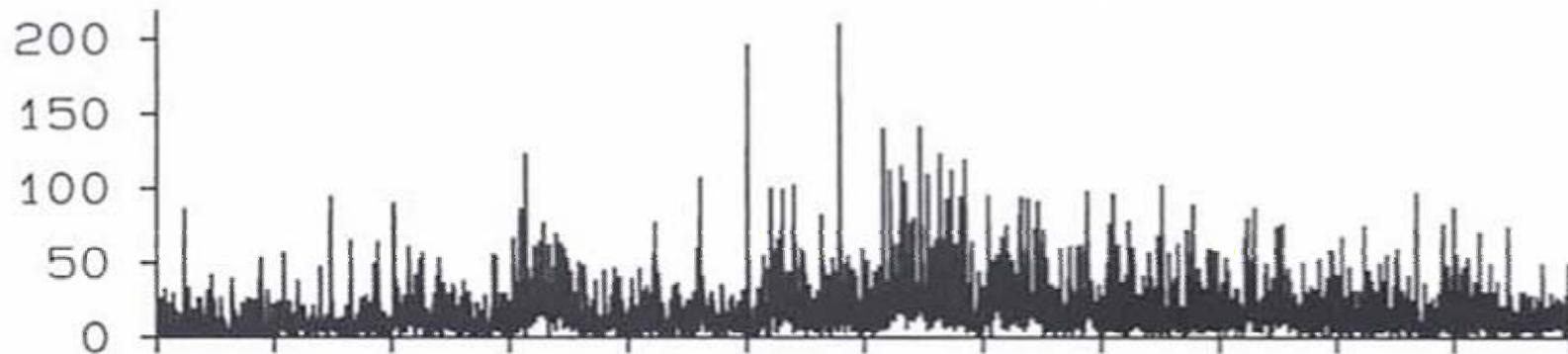


Example: Youth Smoking

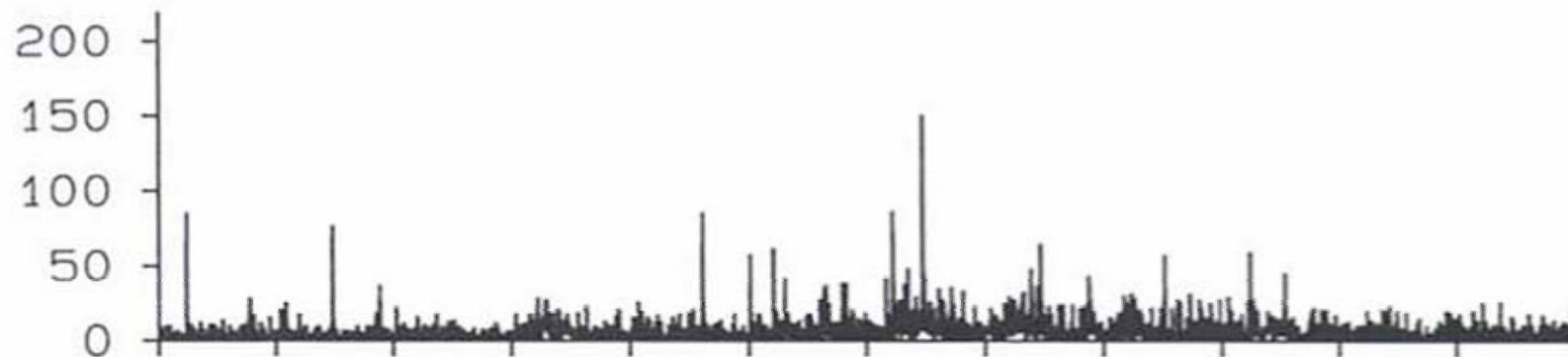
Combined media and newsgroup paragraphs plotted daily

ConHealth Paragraphs

Top values >5%



ConGeneral Paragraphs



QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

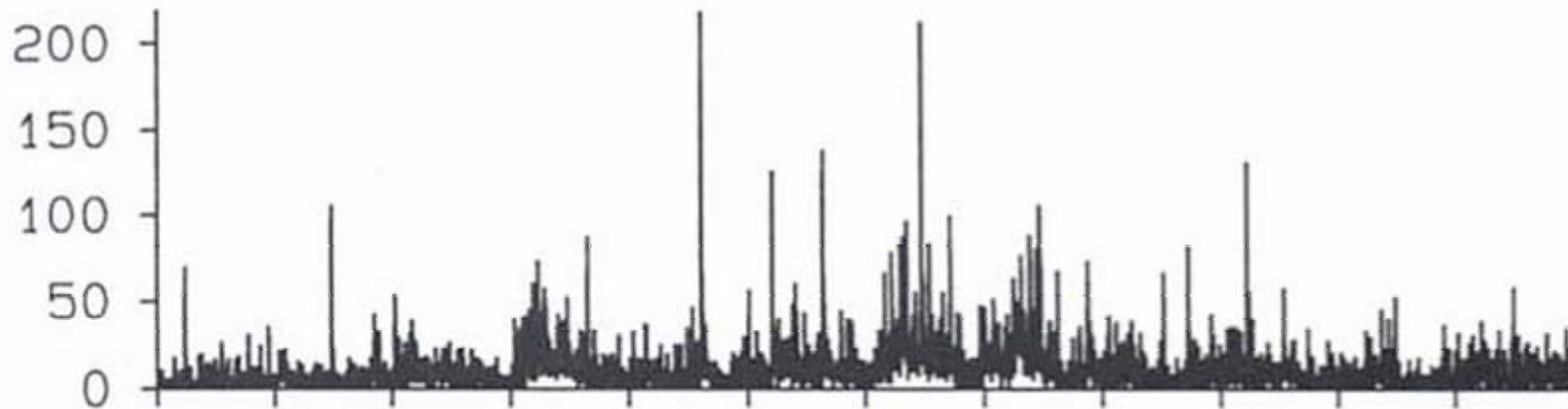


Example: Youth Smoking

Combined media and newsgroup paragraphs plotted daily

ConLegal Paragraphs

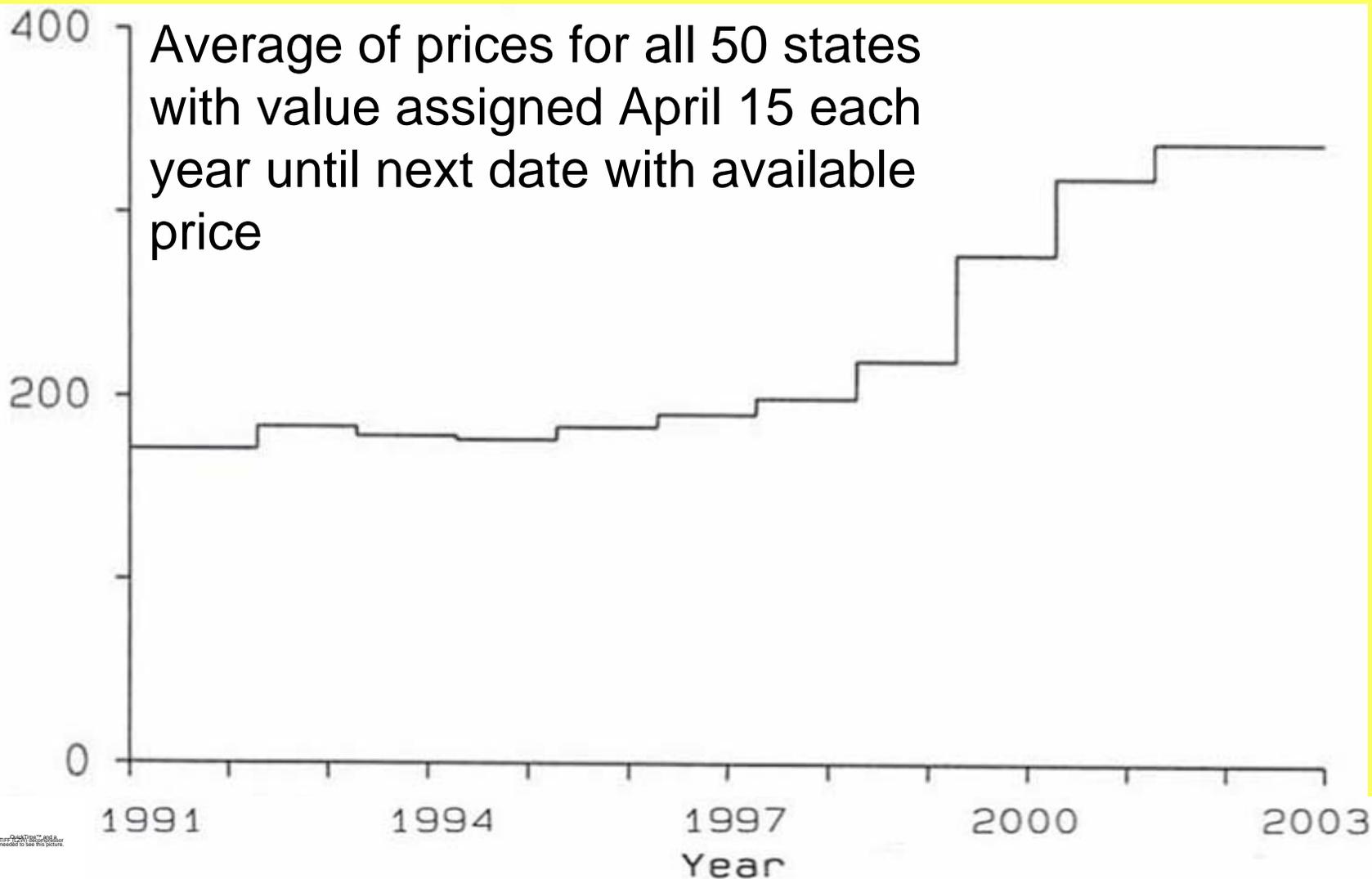
Top values >5%



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Cigarette Price Data





Interpretation Notes

- Media content (dark lines) plotted against Monitoring the Future *Smok30Days* (lines with symbols)
- Symbol width indicates survey period from about March 1 to May 31 at each measure
- Symbol height gives 95% confidence interval based on sample size



Results

- Over 12 years (1991-2002), persuasive force of media content both pro and con smoking significantly predicted youth smoking in the past 30 days
 - $R^2 = 0.64$ ($p < .005$) 8th Graders
 - $R^2 = 0.66$ ($p < .005$) 10th Graders
 - $R^2 = 0.72$ ($p < .005$) 12th Graders

