SurveyResearch @ SurveyMonkey

SurveyMonkey @ AAPOR



Revisiting Sample Frame and Mode Effects: A Comparison of Point Estimates

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Benchmarks

- American Community Survey
- Current Population Survey
 - Internet Supplement
 - Supplement on Volunteering
- National Health Interview Survey





Estimates and Benchmarks: Health Items





- Prob:Web
- Non-Prob:Web
- Benchmark



Estimates and Benchmarks: Volunteer, Active Duty, Home Tenure, and Food Insecurity







Internet Use Every Day: Expected Differences; Differences not eliminated by weighting





Non-Prob:Web CPS Internet Supplement, 2013



Summary: Point Estimates

 Median Difference between sample and benchmark ABS: 5.4 percentage points Probability-based Web: 9.1 percentage points Non-probability based Web: 6.5 percentage points

Do the samples lead to different predicted probabilities?

- Logistic regression models for each of the samples
- Independent Variables

Gender, age, Race, Education, Income, Currently Employed Not necessarily great models, but consistent!





Predicted Probabilities: Illustrative case

Female, 25-34 years of age, white, some college, \$40,000-\$99,999, employed









Predicted Probabilities—health items



ABS:Mail Prob:Web Non-Prob:Web



Conclusions

Point estimates:

No one design consistently superior when compared to benchmarks Variability we would expect

The findings suggest that estimates from the ABS differs from both the nonprobability and the probability web surveys

- Coverage and mode confounded
- Multivariate models (not shown) show surprisingly few differences with respect to direction or significance

Although the size of the coefficients in these models were substantively different evident in the predicted probabilities



SurveyResearch@SurveyMonkey **Election Polling**





Everyone is hard to reach











COLORADO > U.S. SENATE

RACE

CATEGORY	TOTAL	UDALL	
White	80%	45%	
Black	3%		
Hispanic or Latino	13%	-	
Asian	1%		
Other	4%	-	







Breaking news ...



mobile device) from Pew Research Internet Project

SurveyMonkey by the numbers





Not just "surveys"





Geographic diversity



SurveyMonkey Monthly Traffic Density

U.S. Population Density





So what now?

Thank you for taking this survey.

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Red, blue, or purple? Help us predict the 2014 elections.







2014 Election project overview

- Conducted Oct. 3 to Nov. 6
- 199,699 total interviews; 171,909 completes
- 34,405 "already voted," including 13,828 before Election Day
- Click-thru rate of 7 to 14 percent across geographies
- 8,296 completes with teens under 18

letes 8 before



What was worrisome







UPDATED / Public story of 2014

SurveyMonkey Vs. Pollster

Experimental Polls Show Less Bias & Total Error

	Average	Median
Bias		
SurveyMonkey: All	+0.3%D	+0.2%R
SurveyMonkey: RV	+1.0%R	+1.4%R
SurveyMonkey: LV	+2.4%R	+1.9%R
Pollster	+4.2%D	+3.8%D
Total Error		
SurveyMonkey: All	4.2%	3.4%
SurveyMonkey: RV	4.2%	3.3%
SurveyMonkey: LV	4.8%	4.0%
Pollster	5.3%	4.1%





Unique insight / expansive state-level data

COLORADO > U.S. SENATE

	Total	Udall	Gardner
White	76	43	52
Black	4	64	25
Hispanic or Latino	16	58	39
Asian	1	66	33
Other	4	42	49



UK – May 2015

SurveyMonkey

The best decisions start here

Which way will you swing in May?

Share your thoughts ahead of the general election.

Take the survey

Your responses will remain confidential and are for research purposes only.





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British election project overview

- Conducted April 30 to May 6
- Reported on interviews with 18,131 voters
- Average click-thru rate of 16 percent
- Compelling campaign storyline
 - Unpopular PM, economy as No. 1, SNP
- Conservatives +6 over Labour





FiveThirtyEightUKElection



- Of The U.K. Election f

By CARL BIALIK



Impact Of Images On Survey Participation, Respondents, And Online Panel Recruitment

Mingnan Liu



Experiment

- U.K. SurveyMonkey end page
- March 12-24, 2015
- Views = 218,846
- Completes = 13,354





Experimental condition 1 - Downing Street





Experimental condition 2 – Voting map



Sign In



Experimental condition 3 - Rosettes





Findings – Click rate







Findings – Completion rate







Findings – Political questions



 $X^2 = 36.4, p = 0.006$

 $X^2 = 39.9, p = 0.002$



Findings – Media questions





Non-probability surveys online: Does "empanelment" affect results?

Sarah Cho



Survey Thanks Page

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Feeling Charitable? Help Protect Animals.

Take a survey to raise \$0.50 for a charity that cares for animals-or your favorite participating charity. And you could win \$100.

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Survey Thanks Page - Recruitment into One Survey

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Methods

 Conducted same survey on SurveyMonkey "survey thanks" page and SurveyMonkey Audience (panel)

- Thanks page survey
 - Conducted October 10-November 2, 2014
 - 90,932 completes throughout the US, oversamples in competitive races
- Audience survey
 - Conducted October 27-November 10, 2014
 - 3,393 completes in US, oversamples in HI, CA, NY

Opinions on Issues Similar, Party ID Different

Weighted results	Thanks Page	Audience
Right direction	28%	32%
Wrong track	70	66
Most important issue		
Economy	45%	48%
Health care	21	24
Illegal immigration	17	14
Foreign policy	15	13
Have twitter account	27%	30%
Democrat	31%	35%
Independent	30	34
Republican	30	20
Other	7	8





Differing "Call to Action"





Potential Additional Weighting Variables

Weighted demographics	Thanks Page	Audienc
Have children under 18 in HH	31%	22%
	E 40/	4=0/
Currently married	56%	4/%
Religious attendance		
More than once a week	11%	9%
Once a week	22	16
A few times a month	12	9
A few times a year	27	26
Never	25	39
Identify as having no religion	16%	24%





Predictors of Completion Rates in **Online Surveys**

Noble Kuriakose



Data

25,080 customer surveys

- Administered on SurveyMonkey's online panel, Contribute
- Conducted between May 2011 and April 2015
- At least 100 respondents per survey



Findings – Start simple

Mean Completion Percentage by Type of Opening Question





Findings – As with any survey, limit questions

Mean Completion Percentage by Number of Questions



At least 100 surveys in each category.



37 40

Findings – Avoid multiple tough questions

Mean Completion Percentage by Number of Questions



At least 100 surveys in each category.



10

Findings – What matters most?

OLS Regression, Highest (Absolute) Standardized Beta Coefficients

Variable (ref. group)	Beta
# of Open Ends- 5 or more (1)	-0.19
# of Words in Question Text (continuous)	-0.11
# of Answer Options (continuous)	-0.11
# of Words in Opening Question Text (continuous)	-0.10
# of Open Ends- 3 (1)	-0.09
# of Open Ends- 0 (I)	+0.09
# of Open Ends- 4 (1)	-0.07
# of Matrix Qs- 5 or more (1)	-0.07
# of Matrix Qs- 0 (I)	+0.05

All Coefficients are stat. sig. at <.0001



Conclusions

- Survey meta and para data explain 20% (R²) of the variance in completion percentages- ignoring the type and content of the survey.
- As with all surveys, aim to reduce respondent burden
 - Respondents penalize surveys for making them use their keyboards
 - Avoid blocks of text in the question





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