

## Forms of Survey Bias

- 2 examples of bias in typical survey structure
- Question Wording - subtle differences often have large effects on responses
- Context effect - responses influenced by wording of other (mostly preceding) questions
- Suggests answers (more blatant)
- imposes a particular frame of analysis
- Source: Palys, Ted. 2003. Research Decisions, $3^{\text {rd }}$ edition. (Toronto: Thomson Nelson) pp. 183-5.
- see handout

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## Survey Questions Cont'd

- Q\#5 - How "Supportive"?: KEY QUESTION $\rightarrow$ MOST IMBALANCED
- "The Heydon Park Secondary School has been closed since 2000 (C\&W) and the City of Toronto has expressed interest in buying and relocating (C\&W) 14 Division police station from the present site across from the former school to the school land
because it is larger site and would better meet police needs (C\&W). Overall would $\frac{\text { because it is larger site and would better meet police needs ( } C \& W \text { ). Overall would }}{\text { you say that you are very supportive, somewhat supportive, not too supportive }(W) \text { or }}$ you say that you are very supportive, somewhat supportive, not too supportive (W) or
not at all supportive of the Toronto District School Board, who own the land, selling it to the City of Toronto for use as the new 14 Division police station?"
- Context - Incorporates proponents arguments (and only theirs)
- School is "closed" - No mention of its use by community - actual or potential
"Larger site" - "better meet police needs"
- Wording - Strategic Counsel interprets (©) "Somewhat supportive" as being
- $\mathrm{Q} \# 6,7$ - various reasons supporting above responses


## Survey Questions:

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- Q\#8 - Pick One of Two Distorted Views:
"In the discussion about the possible relocation (C\&W) of 14 Division from its current location on St Anne s Road to across the oad on the school site (C\&W) some people have said that they
oppose the move because it will create more noise and traffic in the because it will give the police more needed space and provide better policing in the area. Thinking of these two points of view, which one is closest to your own?"
- Incorporates police arguments again (le. in addition to describing proponents view)
- just a "relocation" to "across the road
- Opposed View is Misrepresented

Most common reason given under Q 6 was actually "shouldn't have a police station in a residential area

## Let's Look Anyways - Results

|  | Direct Community | Non-Direct | Total |
| :--- | :--- | :--- | :--- |
| Sample | 37 <br> $(18.5 \%)$ | 163 <br> $(81.5 \%)$ | 200 <br> $(100 \%)$ |
| Aware of Issue? <br> ("heard anything"?) | 32 <br> $(87 \%)$ | 44 <br> $(27 \%)$ | 76 <br> $(38 \%)$ |
| Familiar with Site? <br> (bias due to Q3) | 36 <br> $(97 \%)$ | 76 <br> $(47 \%)$ | 112 <br> $(56 \%)$ |
| "generally" (!) <br> supportive? | 123 <br> $(73 \%)$ <br> But: 28 (21\%) "neutral" | 136 <br> $(68 \%)$ |  |
| Suppose: <br> Supportive AND <br> "heard anything" | 11 <br> $(30 \%)$ | 33 <br> $(20.2 \%)$ | $(22 \%)$ |

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## Survey Results

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- Sample - "Immediate" v. "Total Community"
- Huge impact of weighting given to non-directly affected - 4.4 non-direct residents
- Revealed: LACK of Awareness amongst Non-Directly affected residents impact of survey bias (context, wording, false premises) likely exacerbated due to lack of awareness at time questioned
- "Generally Supportive" - Inflated by
- Biased wording of question, poor structure and unfair interpretation of "somewhat supportive" responses
- Lack of Awareness - Exacerbates Survey Bias effect
- ALSO - 136 (68\%) allegedly Supportive BUT in this subgroup 28 ( $21 \%$ ) stated "faverr reason for support is "then only 108 don't know a lot/neutral. If don't count this group a subject to other biases
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SO - even if you ignore arguments about bias and unfairness of 4.4 to1 weighting - this survey provides extremely little evidence that the "total
community" is actually in favour
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## Our Petition - Results

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- Asked a Clear Question - People had a clear choice on balance about the sale - sign or not
- Included broader area but also identified 91 "Directly Affected" homes
- Visited 55 out of 91 homes (60\%)
- 47 homes ( $85 \%$ ) - one or more opposed
- 8 homes ( $15 \%$ ) - ambivalent or in favour $\qquad$
- Total Signatures Opposed - 156 Citizens

