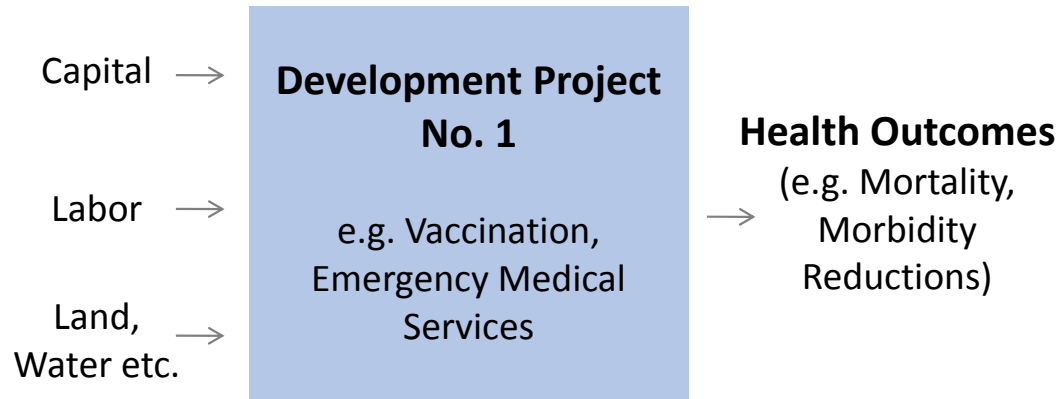


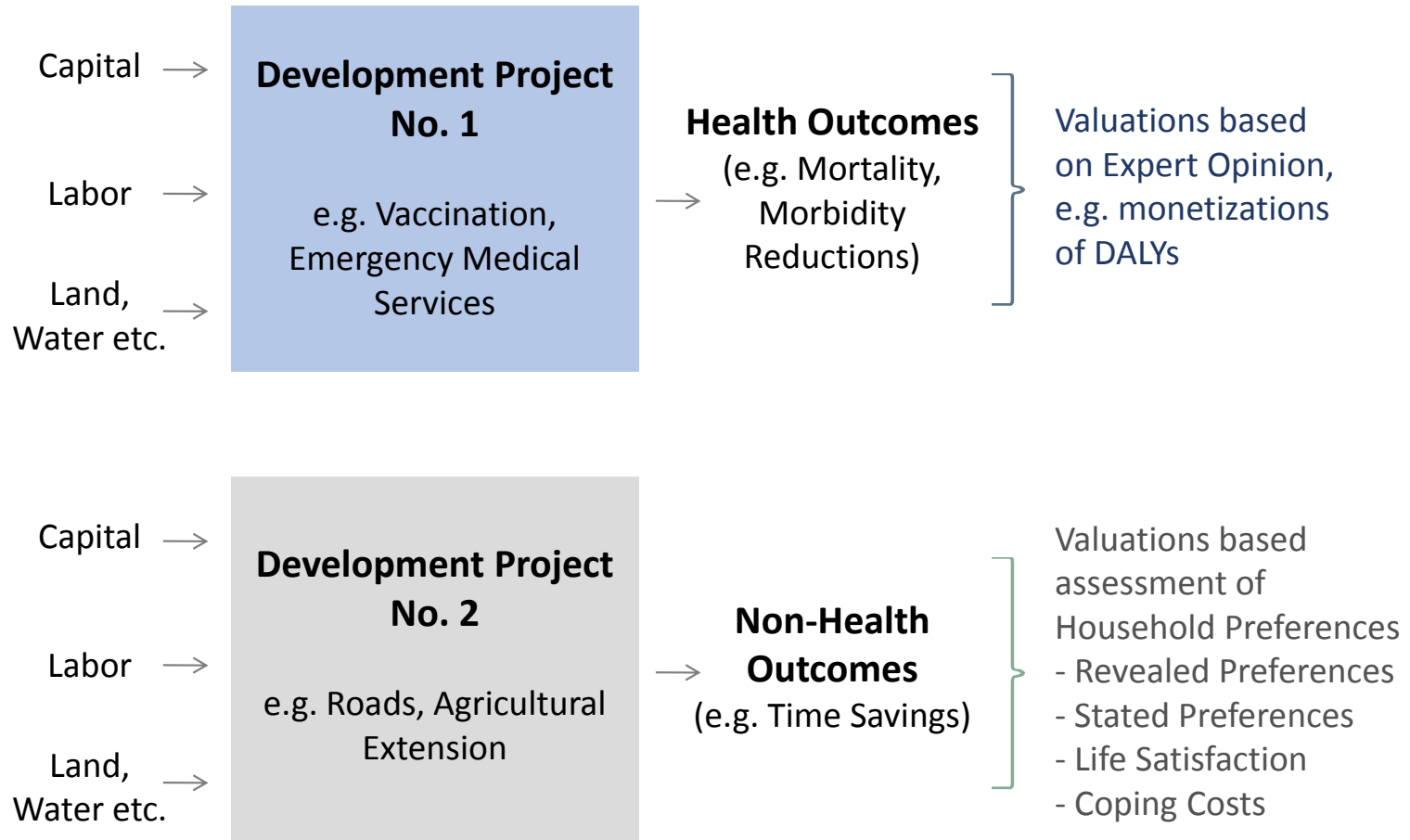
# Valuing Non-Health Outcomes

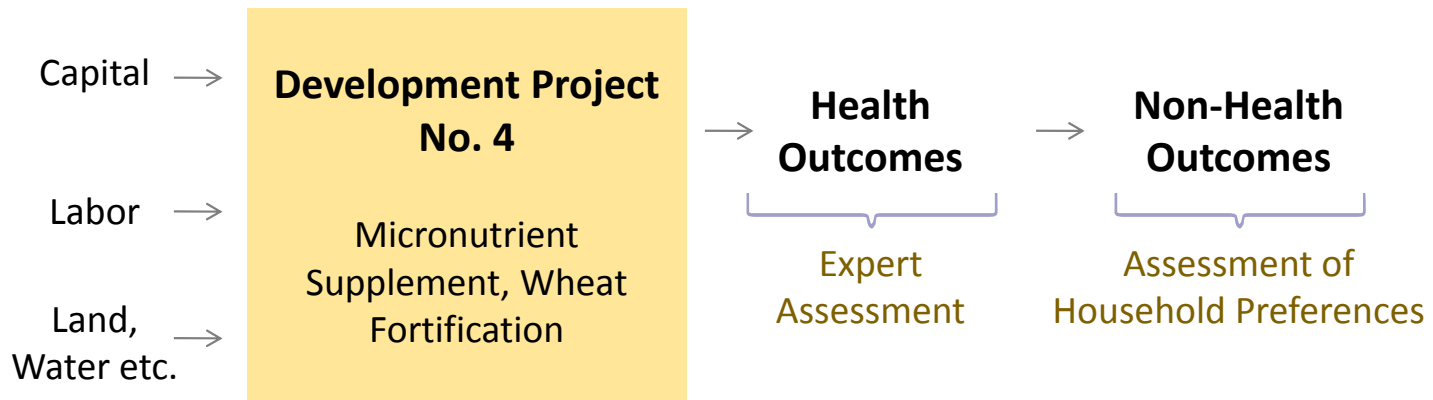
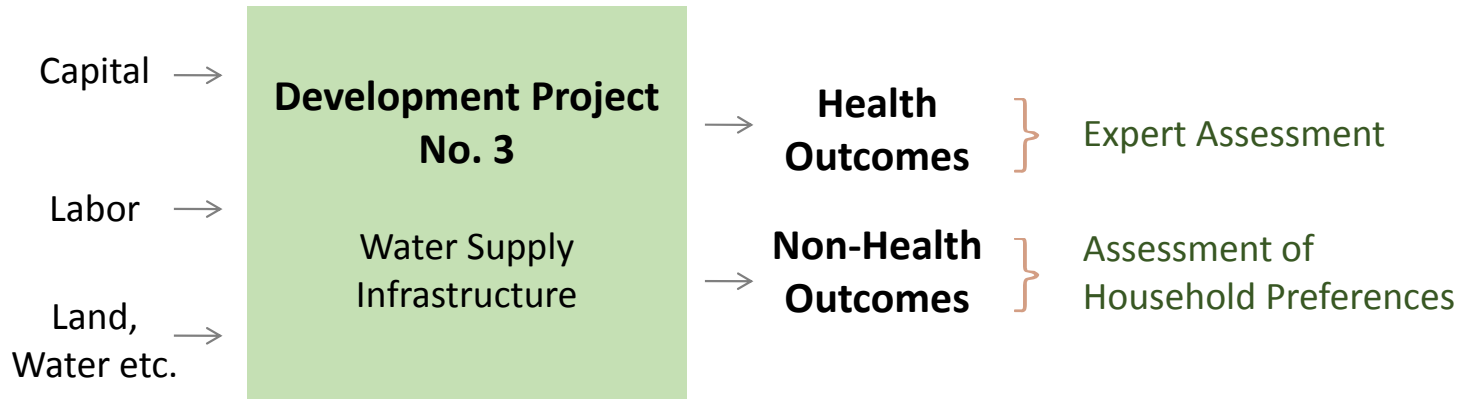
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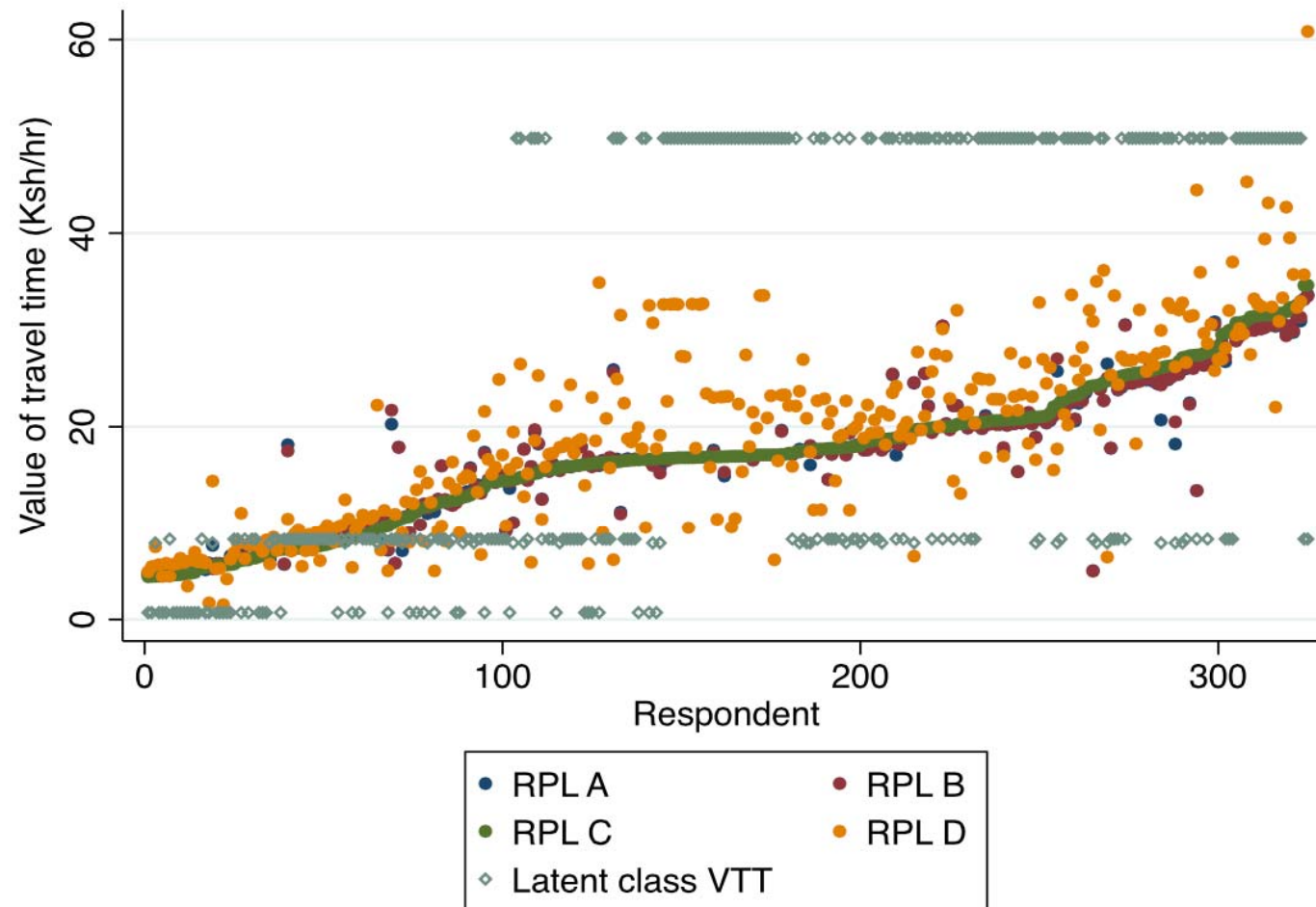
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## **A Simple Stated Preference Tool for Estimating the Value of Travel Time in Rural Africa**

	<b>New water point A</b>	<b>New water point B</b>	<b>Your current source</b>
Total time to walk to source, wait, fill container and return home	<b>10 minutes</b>	<b>5 minutes</b>	(Time and cost as reported by respondent)
Cost per 20L jerrican	<b>1 Ksh per 20L jerrican</b>	<b>0.25 Ksh per 20L jerrican</b>	

**Figure 1** Example choice card (translated into English).



**Figure 2** Comparison of value of travel time estimates from RPL models. *Notes:* Respondents are ordered based on VTT results from Model C Table 6.

## Conclusions (Cook et al. 2016)

We present the first individual-level VTT estimates in a setting like ours using a random-parameters logit framework as well as a latent-class MNL approach. How confident are we that this heterogeneity matters? Results on price and time – the two main attributes of the choice experiment – are stable and consistently statistically significant in models reported here and a number of others (including with scaled exponential and normal distributions) not reported. ... **An agnostic latent-class model divided our respondents into four classes, with one class valuing time very highly, one hardly at all, and two classes in between.**



## *The Theory of Moral Sentiments* (1759)

“To be deprived of that which we are possessed of, is a greater evil than to be disappointed of that which we have only the expectation. Breach of property, therefore, theft and robbery, which take from us what we are possessed of, are greater crimes than breach of contract, which only disappoints us what we expected.”

Adam Smith

**THANK YOU!**

**Table 5** Description of primary and hypothetical source attribute variables.

<b>Variable</b>	<b>Description</b>	<b>Hypothetical source coding</b>	<b>Primary source coding</b>
Time	Round-trip walk time and waiting	5,10, or 30 minutes	1.75*one-way walk time <sup>1</sup> with full container + wait time <sup>2</sup>
Price	Price of 20-liter jerrican	Ksh 0.25,1 or 3	reported price per jerrican for primary source; 0 if doesn't pay
ASC	Alternate-specific constant	0	1
Health risk	Perceived risk from drinking water	N/A <sup>3</sup>	<i>Effects-coded:</i> = -1 if “no risk” = 0 if “some risk” = 1 if “serious risk”
Availability	Hours open and reliability	N/A <sup>3</sup>	<i>Effects-coded:</i> = -1 if less than 24 hrs/wk or “irregular” = 0 if 24–83 hrs/wk or “regular” = 1 if $\geq$ 84 hrs/wk or “very regular”
Conflict	Potential for conflict from using source	N/A <sup>3</sup>	<i>Effects-coded:</i> = -1 if conflict “not likely at all” = 0 if conflict “somewhat likely” = 1 if conflict “very likely”