Description of data and command ﬁle for

“The effects of mental budgeting on the intentions towards using low-toxicity pesticides: evidence from vegetable farmers in Sichuan, China”

The data file for this paper is EMB\_Data.xlsx. The .do file named EMB\_dofile.do produces the tables in the paper. All these processes were run in Stata 16.

Regional coverage: 17 districts and counties in Sichuan Province, China (Chongzhou, Dachuan, Dongpo, Gaoping, Guang’an, Hanyuan, Hejiang, Jiangyang, Jintang, Kaijiang, Nanxi, Pengzhou, Shunqing, Wenchuan, Xichang, Xinjin, Yuechi).

Beginning and end of the survey: From October 1st, 2018 to November 30th, 2018.

Sample size: 393.

Type of respondents: Vegetable farmers.

Sampling strategy: Stratified sampling.

Following is a short description of the variables in the data sets.

|  |  |
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| ID | ID of the subject |
| vss | Typicality of vegetable seeds to seeds  =-1 if farmers think it is not typical |
| vsf | Typicality of vegetable seeds to fertilisers  =-1 if farmers think it is not typical |
| vsp | Typicality of vegetable seeds to pest control measures  =-1 if farmers think it is not typical |
| vsls | Typicality of vegetable seedlings to seeds  =-1 if farmers think it is not typical |
| vslf | Typicality of vegetable seedlings to fertilisers  =-1 if farmers think it is not typical |
| vslp | Typicality of vegetable seedlings to pest control measures  =-1 if farmers think it is not typical |
| kfs | Typicality of potash fertiliser to seeds  =-1 if farmers think it is not typical |
| kff | Typicality of potash fertiliser to fertilisers  =-1 if farmers think it is not typical |
| kfp | Typicality of potash fertiliser to pest control measures  =-1 if farmers think it is not typical |
| nfs | Typicality of nitrogenous fertiliser to seeds  =-1 if farmers think it is not typical |
| nff | Typicality of nitrogenous fertiliser to fertilisers  =-1 if farmers think it is not typical |
| nfp | Typicality of nitrogenous fertiliser to pest control measures  =-1 if farmers think it is not typical |
| pfs | Typicality of phosphate fertiliser to seeds  =-1 if farmers think it is not typical |
| pff | Typicality of phosphate fertiliser to fertilisers  =-1 if farmers think it is not typical |
| pfp | Typicality of phosphate fertiliser to pest control measures  =-1 if farmers think it is not typical |
| ofs | Typicality of organic fertiliser to seeds  =-1 if farmers think it is not typical |
| off | Typicality of organic fertiliser to fertilisers  =-1 if farmers think it is not typical |
| ofp | Typicality of organic fertiliser to pest control measures  =-1 if farmers think it is not typical |
| ins | Typicality of insect-proof lamps/nets to seeds  =-1 if farmers think it is not typical |
| inf | Typicality of insect-proof lamps/nets to fertilisers  =-1 if farmers think it is not typical |
| inp | Typicality of insect-proof lamps/nets to pest control measures  =-1 if farmers think it is not typical |
| hps | Typicality of high-toxicity pesticides to seeds  =-1 if farmers think it is not typical |
| hpf | Typicality of high-toxicity pesticides to fertilisers  =-1 if farmers think it is not typical |
| hpp | Typicality of high-toxicity pesticides to pest control measures  =-1 if farmers think it is not typical |
| lps | Typicality of low-toxicity pesticides to seeds  =-1 if farmers think it is not typical |
| lpf | Typicality of low-toxicity pesticides to fertilisers  =-1 if farmers think it is not typical |
| lpp | Typicality of low-toxicity pesticides to pest control measures  =-1 if farmers think it is not typical |
| sas | Typicality of sexual attractants to seeds  =-1 if farmers think it is not typical |
| saf | Typicality of sexual attractants to fertilisers  =-1 if farmers think it is not typical |
| sap | Typicality of sexual attractants to pest control measures  =-1 if farmers think it is not typical |
| bp | Degree of agreement and disagreement with the statement "I set up a budget plan or reserve money for different agricultural expenses." |
| nsm | Degree of agreement and disagreement with the statement "I never spend more than a fixed amount on seeds, fertiliser, pest control measures, etc.." |
| lsc | Degree of agreement and disagreement with the statement "If I spend more on one agricultural input, I spend less on other inputs in the same category." |
| noc | Degree of agreement and disagreement with the statement "If I spend more on either seeds, fertiliser, pest control measures, etc., the expenses in other categories remain as before." |
| arq\_ht | Willingness to switch from high-toxicity pesticides to low-toxicity ones when receive agricultural revenue with price premium for quality |
| s\_ht | Willingness to switch from high-toxicity pesticides to low-toxicity ones when receive subsidy |
| age | Age of the subjects |
| fs | Farm size (mu) |
| edu | Educational level (“1” for not educated, “2” for primary school, “3” for secondary school, “4” for high school or technical secondary school, “5” for undergraduate or junior college, “6” for graduate school) |
| of | =1 if there is an off-farm job |
| income | Income |
| lnincome | Ln(income) |