Using ADePT with example datasets: Livestock

Example datasets are derived from the data from the Malawi Third Integrated Household Survey (IHS3) 2010/2011. The following steps explain how to use these datasets with the <u>Livestock Module</u> of ADePT.

1. Download the zipped file on your hard drive from www.worldbank.org/adept
2. Start ADePT; Select **Livestock** Module
3. On the top left part of the ADePT window:
   a. Press the first **Select** button for the Household data. Press the **Browse** button and then navigate to the folder where you saved the example data files. Select the file **Livestock_household.dta**.
   b. Press the second **Select** button for the Livestock data. Press the **Browse** button and then navigate to the folder where you saved the example data files. Select the file **Livestock_animal.dta.**
   c. Press the third **Select** button for the Reference TLU data. Press the **Browse** button and then navigate to the folder where you saved the example data files. Select the file **AnimalCoeff.dta.**
   d. Press the fourth **Select** button for the Production data. Press the **Browse** button and then navigate to the folder where you saved the example data files. Select the file **Livestock_product.dta**.

   You should have four files loaded into ADePT.
4. In the Main form, in the lower left part of the ADePT window, specify variables in the datasets you just loaded that correspond to the input fields on the form. Use either of the following methods:
   a. Use the mouse to drag the variable name from the top left panel to the corresponding field in the lower left panel.
   b. Use the drop down menu for each input field and then select the corresponding variable in the dataset.
5. Notice that as you map more variables to input fields, more tables in the **Table** tab on the upper right panel will turn black and become available for calculation. Tables that are not available will remain grayed out.
6. Select all or some of the activated tables by click on the box (▢) next to their names. You can generate all the tables available by clicking on the topmost box next to the word *Tables*.
7. Select whether you would like to have a table of the number of observations for each table to be included in the output file. To include Frequencies for each figure, click on the box next to Frequencies located below the list of tables.
8. To generate the output file, press the **Generate** button located below the list of tables.

Refer to the table below for the correct mapping between the input fields on the Main Form and the variables in the example datasets. Note that it is important to map as many variables as possible so that ADePT will be able to generate a wider variety of tables.

Field	Description	Example Dataset	Variable in Example Dataset
VARIABLES TAB			
Household ID	Unique identification number of the household	*Livestock_household.dta*	*case_id*
Household head gender	If the head of the household is a male or female	*Livestock_household.dta*	*femhead*
Total income	Total income for the household (can be daily, weekly, monthly or annually)	*Livestock_household.dta*	*totincome2*
Livestock income	Amount of income from household livestock activities (can be daily, weekly, monthly or annually)	*Livestock_household.dta*	*livstinc2imp*
Welfare aggregate	Economic welfare of the household usually measured by household's per capita/adult equivalent consumption expenditure or income	*Livestock_household.dta*	*pc_consumption*
Poverty line(s)	The poverty line is the cut-off point that separates the poor from the non-poor. This can be the national poverty line, the $1.25/day PPP poverty line or any other cut off that is of interest	*Livestock_household.dta*	*povline*
Household weights	Sampling weights so that statistics calculated from the data can be representative of the whole population. Users must provide weights except in the case of self-weighting samples	*Livestock_household.dta*	*weight*
Urban	Denotes whether the household resides in urban or a rural areas	*Livestock_household.dta*	*urban*
Regions	Geographic and administrative areas defined by the national statistics office of that country. The user can use districts or provinces or any other domain relevant to their data.	*Livestock_household.dta*	*region*
Land area	Amount of land owned by the household	*Livestock_household.dta*	*Landowned*
LIVESTOCK TAB			
Household ID	Unique identification number of the household	*Livestock_animal.dta*	*case_id*
Livestock code	Unique code for each type of animal	*Livestock_animal.dta*	*animal*
Current inventory	Number of animals currently owned by the household	*Livestock_animal.dta*	*livstck_owned*
Initial inventory	Number of animals owned at the beginning of the survey reference period, usually 12 months ago	*Livestock_animal.dta*	*livstck_intialInv*

Sold	Number of animals sold in the survey defined reference period of time, usually in the last 12 months	*Livestock_animal.dta*	*livstck_sold*
Born	Number of new animals born in the survey defined reference period of time, usually in the last 12 months	*Livestock_animal.dta*	*livstck_born*
Lost	Number of animals that were lost to things such as theft or disease in the survey defined reference period of time, usually in in the last 12 months	*Livestock_animal.dta*	*lvstck_lost*
Given away	Number of animals that were given away as a gift to someone outside of the household in the survey defined reference period of time, usually in the last 12 months	*Livestock_animal.dta*	*livstck_given*
Slaughtered	Number of animals that were slaughtered in the survey defined reference period of time, usually in the last 12 months	*Livestock_animal.dta*	*livstck_slaughtered*
Vaccination	Number of animals that were vaccinated in the survey defined reference period of time, usually in the last 12 months	*Livestock_animal.dta*	*livstck_vaccinated*
Value of sold animals	Monetary value of animals sold in the survey defined reference period of time, usually in the last 12 months	*Livestock_animal.dta*	*lvstck_valuesales*
Animal code	Unique code for each type of animal. This must match the codes in the "Livestock code" variable above.	*AnimalCoeff.dta*	*animal*
Animal TLU equivalent	Conversion factor for each type of animal into Livestock Units. See page the livestock module user's guide for more information on livestock units	*AnimalCoeff.dta*	*coeff*
PRODUCTION TAB			
Household ID	Unique identification number of the household	*Livestock_product.dta*	*case_id*
Code of product	Unique code for each type of livestock product	*Livestock_product.dta*	*product_code*
Value of production	Total monetary value of each type of livestock product made by the household in the survey defined reference period of time, usually the last 12 months	*Livestock_product.dta*	*liveprodValue*
Volume of production	Total volume/amount for each type of livestock product made by the household in the survey defined reference period of time, usually the last 12 months	*Livestock_product.dta*	*liveprodVolume*
Total value of sold products	Total monetary value for each type of livestock product made by the household in the survey defined reference period of time, usually the last 12 months	*Livestock_product.dta*	*liveprodsalesValue*

To open an already compiled ADePT Livestock Project:

1. Save the project in the same folder as the example data files
2. Open project by selection **\<Project\>**➔**\<Open Project\>** from the menu.

Then follow the procedure described in these instructions starting with step number 6.

For visual explanation of how to use ADePT in general, please watch the video tutorials available on the ADePT website at: http://go.worldbank.org/FWAHKVMZF0