How to use ADePT Social Protection

For Protection and Promotion: The Design and Implementation of Effective Social Safety Nets
Washington D.C. - December 2014
What is ADePT?

- ADePT is a software Platform for Automated Economic Analysis.

- ADePT uses micro-level data from various types of surveys, such as Household Budget Surveys, Demographic and Health Surveys and Labor Force surveys to produce rich sets of tables and graphs for a particular area of economic research.

- User requires knowledge of statistical packages - e.g. Stata and SPSS – to prepare the dataset. Construction of key variables is not trivial but a statistician can do it.
Why ADePT?

• **ADePT** ensures **comparability** of results across countries/years, in a standardized format.

• **ADePT saves time** because users do not need to write commands and code to produce the tables and charts. It is automated!

• **ADePT** it is **easy** to learn and use. It minimizes human errors in programming!

Download from [www.worldbank.org/adept](http://www.worldbank.org/adept)
Household Survey Data

Dataset prepared in STATA or SPSS

Variables needed (mandatory):
- Household ID
- Location (urban and rural)
- Household weights
- Welfare aggregate (total household consumption or income)
- Poverty line
- Social Protection programs
  - Social Insurance
  - Social Assistance
  - Labor Market Programs

Excel Tables with indicators

- Average per capita transfer
- Coverage
- Distribution of beneficiaries
- Distribution of benefits
- Relative incidence
- Generosity
- Undercoverage and leakage
- Impact of programs on poverty and inequality
- Coady-Grosh-Hoddinott indicator
- Program duplication and overlap
- Cost-Benefit ratio

Plus: statistics, profiles, demographics, charts
(1) Load your dataset(s)

(2) Tell ADePT what’s what

(3) Select tables and charts

(4) Choose options and hit “Generate”
1. Upload your data

- Click on the Add button to open and upload the data you want to use.
- Label the dataset. The label will be used in the tables and graphs to distinguish the statistics that comes from different datasets.
- You can add or remove multiple datasets.
ADePT-SP Steps

1. Upload your data
   - Specify if dataset is at the individual or household level
   - Dataset can be opened by clicking on the browse button
ADePT-SP Steps

2. Specify variables

- Once data has been uploaded, the variables names and labels are shown in the second tab of the first window to the left.
- The bottom window to the left has three tabs to specify main, program and consumption variables
ADePT-SP Steps

2. Specify variables

Tab 1. Main variables

- Some main variables such as Household ID, urban, household weights, and household size, are mandatory to generate ADePT tables.
- If the dataset is at the individual level, variables of individual characteristics can be specified.
- Variables can be selected by dragging them from the upper window or by using the dropdown menu in the variable field.
2. Specify variables

Tab 2. Program variables

- These are the programs which impact you are trying to measure
- Each program variable needs to be classified under a Social Protection Program Type: Social Insurance, Labor Market, Social Assistant or Remittances
- In addition the level of the variable (individual or household) needs to be specified
2. Specify variables

Tab 3. Consumption variables

- In this tab you can rank into poor or nor poor, quintiles or decile groups by using either a monetary or non-monetary welfare aggregate.
- If monetary value is chosen, in the “total consumption” field a variable containing total consumption, total expenditures or total income can be selected.
2. Specify variables

Tab 3. Consumption variables

- The type of adjustment to the welfare aggregate or counterfactual welfare indicator should be selected in this tab. ADePT SP can rank the households using three simplified counterfactuals 4:
  - No adjustments (post transfer or observed income or consumption) (V0)
  - Net of all Social Protection Transfers (V1)
  - Net of each Social Protection Transfers (V2)
  - Net of all Social Assistance Transfers (V3)
ADePT-SP Steps

3. Select tables and charts

- A total of 51 tables can be generated by ADePT, depending on the level of the dataset. You can select the tables and charts relevant to your analysis.
ADePT-SP Steps

4. Generate Excel output tables

- The lower window to the right displays the “Generate” button, which activates once the tables have been selected.
- Conditions can be specified to generate the tables (e.g., If gender == 1, etc).
- The table description window displays the definition of the tables being generated.
- Errors or other messages are displayed in the second tab.
ADePT-SP Tables

ADePT generates an Excel file with the tables and charts displayed in individual tabs.

![Excel file screenshot]

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>All social protection</td>
<td>48.3</td>
<td>67.7</td>
<td>61.9</td>
<td>50.3</td>
<td>37.4</td>
</tr>
<tr>
<td>5</td>
<td>All social insurance</td>
<td>43.4</td>
<td>59.7</td>
<td>56.6</td>
<td>46.8</td>
<td>33.1</td>
</tr>
<tr>
<td>6</td>
<td>Old age pension</td>
<td>37.4</td>
<td>52.0</td>
<td>49.1</td>
<td>40.2</td>
<td>28.6</td>
</tr>
<tr>
<td>7</td>
<td>Disability pension/allowance</td>
<td>4.7</td>
<td>6.0</td>
<td>5.9</td>
<td>5.3</td>
<td>3.6</td>
</tr>
<tr>
<td>8</td>
<td>Survivorship pension</td>
<td>1.3</td>
<td>1.7</td>
<td>1.6</td>
<td>1.3</td>
<td>0.8</td>
</tr>
<tr>
<td>9</td>
<td>All labor market programs</td>
<td>0.4</td>
<td>0.5</td>
<td>0.6</td>
<td>0.4</td>
<td>0.4</td>
</tr>
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<td>10</td>
<td>Unemployment benefit</td>
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<td>0.5</td>
<td>0.6</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td>11</td>
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<td>4.5</td>
<td>7.6</td>
<td>4.7</td>
<td>3.2</td>
<td>3.9</td>
</tr>
<tr>
<td>12</td>
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<td>0.5</td>
<td>0.1</td>
<td>0.0</td>
<td>0.1</td>
</tr>
<tr>
<td>13</td>
<td>Child allowance, up to 2 yo</td>
<td>1.6</td>
<td>1.9</td>
<td>1.7</td>
<td>1.2</td>
<td>1.9</td>
</tr>
<tr>
<td>14</td>
<td>Other family allowances</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
<td>0.3</td>
<td>0.2</td>
</tr>
<tr>
<td>15</td>
<td>Monthly child allowance</td>
<td>1.3</td>
<td>1.6</td>
<td>1.2</td>
<td>1.2</td>
<td>1.4</td>
</tr>
<tr>
<td>16</td>
<td>Heating allowance</td>
<td>0.3</td>
<td>1.1</td>
<td>0.2</td>
<td>0.1</td>
<td>0.0</td>
</tr>
<tr>
<td>17</td>
<td>Guaranteed minimum income</td>
<td>0.7</td>
<td>2.1</td>
<td>0.7</td>
<td>0.3</td>
<td>0.0</td>
</tr>
<tr>
<td>18</td>
<td>Other sa benefits</td>
<td>0.3</td>
<td>0.3</td>
<td>0.6</td>
<td>0.2</td>
<td>0.2</td>
</tr>
<tr>
<td>19</td>
<td>All remittances</td>
<td>6.1</td>
<td>2.2</td>
<td>4.8</td>
<td>3.8</td>
<td>4.0</td>
</tr>
<tr>
<td>20</td>
<td>Remittances</td>
<td>6.1</td>
<td>2.2</td>
<td>4.8</td>
<td>3.8</td>
<td>4.0</td>
</tr>
</tbody>
</table>

**Table 3_3: Average Transfer Value, Per Capita**

*All households*

**Notes:**

- Table entries are the average per capita transfer received by all households in a group. It does include households that did not receive the transfer.
- Averages are calculated setting as expansion factor the household expansion factor multiplied by the household size.
- Averages in LCU.
Download ADePT for free

Website: www.worldbank.org/adept
If your country office is interested in a training on ADEPT Social Protection and/or Poverty (1/2 day to 3 day courses) Please contact:

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THANK YOU!