



**CSPro Android for Intermediate Users
US Bureau of the Census, June 15-26 2015
Workshop Agenda**

Day	Topics
Monday June 15	<p>Welcome and introductions CSPro Overview Rapid review of the data dictionary Records, items, sub-items Multiply occurring records and items Value sets Structure of the data file Dictionary macros and working with Excel</p> <p>Creating data entry forms Rosters and multiplying occurring forms, roster control fields</p> <p>Running data entry applications on Android Differences between Windows and Android Pff files</p> <p>Lab work: create a simple data entry application and run it on Android</p>
Tuesday June 16	<p>Introduction to logic in data entry applications: consistency checks and skips Error messages, errmsg with select Edit checks with multiple variables Hard and soft checks (reenter) Conditional statements (if then) Skips, Skip to next, endgroup, endlevel Preproc, postproc Auto fills (protected fields) Add mode and modify mode</p> <p>Lab work: add consistency checks and skips to sample application</p>
Wednesday June 17	<p>More logic: Consistency checks on rosters Rosters and subscripts: consistency checks across rosters Non-dictionary variables, proc global Order of procs (level, group, variable) Loops Blanks, notappl and missing</p> <p>Lab work: add consistency to rosters in sample application</p>
Thursday June 18	<p>CAPI Features CAPI text, fonts, colors Fills in CAPI text Occurrence labels - getocclabel() Capture types Multiple response questions (checkboxes) Dynamic value sets (setvalueset), onfocus</p> <p>Lab work: CAPI text, checkboxes and dynamic value sets</p>

<p>Friday June 19</p>	<p>Advanced Data Entry Cascading questions Entry and manipulation of dates and times Field notes Questions with “other-specify”, prompt function Supporting multiple languages in CAPI text and dictionary Lookup files Lab work: multiple languages, dates and times, lookup files</p>
<p>Monday June 22</p>	<p>System control and navigation in data entry User defined functions Adding userbar buttons for navigation Going back to skipped fields Skip, advance and move Visualvalue and looking ahead Show and showarray External forms Lab work: navigation and external forms</p>
<p>Tuesday June 23</p>	<p>Multimedia and external files Launching external programs with execsystem Viewing webpages Taking and viewing photos Capturing and displaying GPS points Creating and writing files using filewrite Generating and viewing reports in text and HTML Viewing GPS points in Google Earth Lab work: capturing and displaying GPS coordinates and photos</p>
<p>Wednesday June 24</p>	<p>Data transfer and synchronization Synchronization with FTP and Dropbox Peer to peer synchronization in the field Synchronization from logic Concatenating and checking data on the server Lab work: synchronization</p>
<p>Thursday June 25</p>	<p>Menu systems Launching one data entry program from another Writing out a pff file to prefill fields in launched application (pff editor) Techniques for structuring menu programs Synchronization in a menu program Deployment of multiple applications on Android Lab work: menu system</p>
<p>Friday June 26</p>	<p>Export and other tools Export data to Excel, SPSS, STATA, R Production runner Sort data tool Creating quick frequencies and cross tabulations Table retrieval systems Thematic maps Lab work: export data</p> <p>Evaluations Presentation of certificates and closure</p>

Daily Schedule

9:30	Review of lab work from previous day
10:00	Lecture & group Activities
11:00	Coffee break
11:15	Lecture & group Activities
12:30	Lunch
1:30	Lecture & group Activities
2:30	Lab work
3:30	Coffee Break
3:45	Lab work
5:00	End of day