Title

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Intro — Introduction to reporting manual

Description Remarks and examples

Description

This manual documents Stata's features for reporting. With the commands described here, you can create reproducible reports in Word, Excel, PDF, and HTML formats. These reports can be customized to include formatted text, tables of Stata results, and graphs.

Remarks and examples

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Remarks are presented under the following headings:

Introduction

Stata's commands for exporting estimation results, summary statistics, and graphs deliver neatly formatted reports in Word, Excel, PDF, and HTML files.

There are two varieties of commands for creating reports. The first variety creates Word documents, Excel files, and PDF documents that incorporate stored results from Stata commands in formatted text and tables. The `putdocx`, `putpdf`, and `putexcel` suites of commands create documents in this manner. The second variety creates HTML and Word documents that include the full output from Stata commands and allows you to format the text using Markdown. The `dyndoc` and `dyntext` commands, which are discussed in *Creating dynamic documents*, incorporate Stata output in this manner.

Below, we briefly describe each of the report-generating commands. We also review the commands that allow you to convert files from one type to another.

Exporting to a Word (.docx) file

The `putdocx` suite of commands creates Word (`.docx`) documents with embedded Stata results. With single-line commands, you can export a whole estimation table, an image, or a matrix to a document. You can also build complex tables with custom layouts. The suite allows you to create a document complete with formatted text and Stata results without leaving Stata.

[RPT] **putdocx intro**	Introduction to generating Office Open XML (.docx) files
[RPT] **putdocx begin**	Create an Office Open XML (.docx) file
[RPT] **putdocx pagebreak**	Add breaks to an Office Open XML (.docx) file
[RPT] **putdocx paragraph**	Add text or images to an Office Open XML (.docx) file
[RPT] **putdocx table**	Add tables to an Office Open XML (.docx) file
[RPT] **putdocx collect**	Add a table from a collection to an Office Open XML (.docx) file

We recommend that you read [RPT] **putdocx intro** first for an overview of the `putdocx` commands and how you use them. Then you will want to review [RPT] **putdocx begin** to learn how to create a `.docx` file in memory. Once you have created a `.docx` file with `putdocx begin`, you can refer to [RPT] **putdocx paragraph** for exporting text and images to your file. You can also refer to [RPT] **putdocx table** and [RPT] **putdocx collect** for exporting tables of results to your file.

The `putdocx` suite allows you to interact Stata's capabilities with Word's additional formatting features. You can create a `.docx` file complete with Stata results from within Stata, but you might also append fragments created in both Stata and Word. See *Workflow options for report building* in [RPT] **putdocx intro** for different ways to create Word documents and how to determine which method is most appropriate for the report you want to create.

Word documents can also be created using the dynamic documents commands described below in *Creating dynamic documents*.

Exporting to a PDF file

The `putpdf` suite of commands creates PDF files with Stata results. With these commands, you can incorporate formatted text, summary statistics, regression results, images, customized tables, and matrices in your document.

[RPT] **putpdf intro**	Introduction to generating PDF files
[RPT] **putpdf begin**	Create a PDF file
[RPT] **putpdf pagebreak**	Add breaks to a PDF file
[RPT] **putpdf paragraph**	Add text or images to a PDF file
[RPT] **putpdf table**	Add tables to a PDF file
[RPT] **putpdf collect**	Add a table from a collection to a PDF file

We recommend that you read [RPT] **putpdf intro** first for an overview of the `putpdf` commands and how you use them. In [RPT] **putpdf begin**, we demonstrate how to create a file in memory. Once you have done so, you can refer to [RPT] **putpdf paragraph**, [RPT] **putpdf table**, and [RPT] **putpdf collect** for details on embedding text, images, and tables in a PDF file.

Exporting to an Excel file

With `putexcel`, you can export Stata results to an Excel workbook, including estimation results, matrices, and images. You can write Stata expressions as well as Excel formulas to a workbook and save portions of your work to separate sheets.

[RPT] **putexcel**	Export results to an Excel file
[RPT] **putexcel advanced**	Export results to an Excel file using advanced syntax

We recommend that you read [RPT] **putexcel** first to learn the basics of exporting Stata results to Excel. In [RPT] **putexcel advanced**, we provide advanced syntax for exporting multiple types of results simultaneously and for formatting existing contents of cells.

Creating dynamic documents

Stata's dynamic document commands allow you to embed Stata output in text files and to create HTML files and Word documents from Markdown text and Stata output. Dynamic tags are used to process Stata commands in a text file; they run the code and export the output to the destination file. To create text files with Stata output, you simply enclose Stata commands within these dynamic tags throughout your source file and then use `dyntext` to create the output file. To create HTML files and Word documents, you can combine Stata dynamic tags and Markdown text in a file and then use `dyndoc` to convert it to an HTML file or Word document. `dyndoc` calls on `markdown` to process the Markdown text.

[RPT] **Dynamic documents intro**	Introduction to dynamic documents
[RPT] **Dynamic tags**	Dynamic tags for text files
[RPT] **dyndoc**	Convert dynamic Markdown document to HTML or Word (.docx) document
[RPT] **dyntext**	Process Stata dynamic tags in text file
[RPT] **markdown**	Convert Markdown document to HTML file or Word (.docx) document

We recommend reading [RPT] **Dynamic documents intro** first because it demonstrates the process of using dynamic tags in your text file, converting it to an output text file, and converting it to an output HTML file or Word document. After reading that entry, you can review [RPT] **Dynamic tags** for the list of tags that are available for including Stata output in your file. You will find the relevant tags for running Stata commands, including graphs in your file, and displaying Stata expressions.

Converting file types

Stata also has commands for converting files from HTML to Word and from Word to PDF. These commands may be used whether the original files were created using one of the Stata commands listed above or otherwise.

[RPT] **html2docx**	Convert an HTML file to a Word (.docx) document
[RPT] **docx2pdf**	Convert a Word (.docx) document to a PDF file