

Workshop: High-performance computing for economists

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Tracking history

What happened? And who did what?

One of the key advantages of using version control systems is ... to control versions.

- ▶ Straightforward to view multiple versions of a file (assuming proper usage)
- ▶ Possibility to view who changed what (“blame”)

Tracking using web interfaces: SVN

LEHD Code Repository

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Subversion Location | Last Change | Revision Log

root / trunk

Visit: View revision:

Name	Size	Rev	Age	Last Change
./				
admin		8646	7 months	beau001: Copy physical parms file during refresh dev. Re. #957
bls		9187	4 months	beau001: Move macros to global process. Update Trunk. Re #995
brb		1492	7 years	vilhuber: Re-establishing fully tested trunk as per production 2006-10-03 and prior
control		9727	3 weeks	beau001: Updating Trunk. Modify code_copy and check_versions to read the correct ...
cpr		4524	3 years	vilhuber: Re #461: this switches the preprocess parameter to preprocess=yes, as per ...
doc		9368	4 months	beau001: This is the Quality Audit Template that has all of the standards that the ...
ecf		9712	3 weeks	beau001: Updating trunk. Read new format for GALID. Re. #997 #1001 #1022 #1033
edf		8101	10 months	beau001: Cleanup process directory. Re. #898
ehf		8102	10 months	beau001: Cleanup process directory. Re. #898
ctrlprogs		7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...
control_ehf.sas	17.4 KB	7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...
parameters_ehf.sas	1.8 KB	7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...
doc		8102	10 months	beau001: Cleanup process directory. Re. #898
library		7649	14 months	beau001: Change methodology for creating ehf_<state>_ui_ein. Re: #870.
macros		7649	14 months	beau001: Change methodology for creating ehf_<state>_ui_ein. Re: #870.
sasprogs		7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...
01_ehf.sas	2.5 KB	7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...
01_ehfqa.sas	7.9 KB	4028	3 years	vilhuber: Re #629. Based on ticket-629/ehf (r3067:3910). New QA test by Stephen
02_ehf.sas	3.2 KB	7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...
02_ehfqa.sas	2.7 KB	4028	3 years	vilhuber: Re #629. Based on ticket-629/ehf (r3067:3910). New QA test by Stephen
03_ehf.sas	1.7 KB	687	8 years	vilhuber: Legacy change EHF 3.1.30 Time-stamp: <04/08/26 16:43:07 vilhu001> * added ...
03_ehfqa.sas	0.7 KB	4028	3 years	vilhuber: Re #629. Based on ticket-629/ehf (r3067:3910). New QA test by Stephen
04_ehf.sas	1.7 KB	687	8 years	vilhuber: Legacy change EHF 3.1.30 Time-stamp: <04/08/26 16:43:07 vilhu001> * added ...
04_ehfqa.sas	1.1 KB	4028	3 years	vilhuber: Re #629. Based on ticket-629/ehf (r3067:3910). New QA test by Stephen
05_ehf.sas	5.3 KB	7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...
05_ehfqa.sas	0.7 KB	4028	3 years	vilhuber: Re #629. Based on ticket-629/ehf (r3067:3910). New QA test by Stephen
06_ehf.sas	2.9 KB	7220	17 months	beau001: Re #272, #593, #781. Merge into trunk changes for getting EIN info from ...

enhancem FIRST_RUN

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Computing for Economists

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root / trunk / ehf / library / sasprogs / 01_ehf.sas

Added
Modified
Copied or renamed

View changes

Revision Log Mode:

- ☐ Stop on copy
- ☒ Follow copies
- ☐ Show only adds and deletes

View log starting at and back to
Show at most revisions per page.
☐ Show full log messages

Update

Diff	Rev	Chgset	Date	Author	Log Message
	@7220 [7220]	17 months	beauz001	Re #272 , #593 , #761 . Merge into trunk changes for getting EIN info from ...	
	@695 [695]	8 years	lv39	Moving EHF to trunk	
copied from merge_ehf/trunk/ehf/library/sasprogs/01_ehf.sas:					
	@676 [676]	8 years	vilhuber	Legacy change EHF 3.1.26-lars	
	@670 [670]	8 years	vilhuber	Legacy change EHF 3.1.23	
	@644 [644]	8 years	vilhuber	Legacy change EHF 3.1.10	
	@640 [640]	8 years	vilhuber	Legacy change EHF 3.1.08	
	@635 [635]	8 years	vilhuber	Legacy change EHF 3.1.05	
	@629 [629]	8 years	vilhuber	Legacy change EHF 3.1.02	
	@627 [627]	8 years	vilhuber	This is a legacy commit of ehf 3.1.01	

Note: See [TracRevisionLog](#) for help on using the revision log.

Download in other formats:
 RSS Feed | [ChangeLog](#)

Tracking using web interfaces: SVN

Update

☐ Unmodified ☒ Added ☐ Removed ☐ Modified

trunk/qwi/library/sasprogs/01_qwi.sas

Tabular Unified

• Property svn:keywords set to Id URL

Revision 552	Revision 9714
1 /* +--< LEHD-QWI qwi 3.1.10 2003-11-10 schwa305 >-- */	1 /* \$Id\$ */
2 /* +--< Location: /programs/production/current/qwi/ >-- */	2 /* \$URL\$ */
3 /* +--< File: library/sasprogs/01_qwi.sas >-- */	3 /* Author:*/
4	4 /* Time-stamp: */
5 *****	5 *****
6 * Time-stamp: <03/06/08 01:11:28 steph305>	6 * Time-stamp: <04/06/17 12:28:14 vilhuber>
7 * Author: Simon Woodcock	7 * Author: Simon Woodcock
8 * Based on part of Jobflow01 by John Abowd, Karen Conneely,	8 * Based on part of Jobflow01 by John Abowd, Karen Conneely,
9 * Robert Pedace, and Paul Lengersmann	9 * Robert Pedace, and Paul Lengersmann
10	10
11 * Initial processing of individual and employment history master files	11 * Initial processing of individual and employment history master files
12	12
13 * QWI STEP 1: BUILD THE PERSON HISTORY FILE	13 * QWI STEP 1: BUILD THE PERSON HISTORY FILE
14	14
15	15
16	16
17 * Create soft link to this file and MACROLIST.SAS in state-specific	17
18 * directory, create CONFIG_ST.SAS in same directory, and run.	18
19	19
20 * REQUIRES-SAS: macrolist.sas	20
21 * REQUIRES-SAS: config_st.sas	21
22	22
23 * REQUIRES-DATA: ehf_[st].sas7bdat (all states but MN)	23 * REQUIRES-DATA: ehf_[st].sas7bdat (all states but MN)
24 * REQUIRES-DATA: ehf_seinunit_an.sas7bdat (MN only)	24 * REQUIRES-DATA: ehf_seinunit_an.sas7bdat (MN only)
25 * REQUIRES-DATA: [st]_u2wi.sas7bdat	25 * REQUIRES-DATA: [st]_u2wi.sas7bdat
26	26
27 * PROVIDES-DATA: phf_[st]_a.sas7bdat	27 * PROVIDES-DATA: phf_[st]_a.sas7bdat
28	28
29	29
30 * REVISION HISTORY:	30 * REVISION HISTORY:
31	31
32 * 2003-05-19: options statement moved to CONFIG_ST.SAS, comments updated by Simon	32 * 2003-05-19: options statement moved to CONFIG_ST.SAS, comments updated by Simon
33 * 2003-05-30: Bryce added x command to make soft links to output files	33 * 2003-05-30: Bryce added x command to make soft links to output files
34 * 2003-06-07: Bryce modified filling of earnings array to include only values in the valid QWI processing range	34 * 2003-06-07: Bryce modified filling of earnings array to include only values in the valid QWI processing range
35	35

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[root](#) / [trunk](#) / [qwi](#) / [library](#) / [sasprogs](#) / [01_qwi.sas](#) @ 9714

Visit: View revision:

Revision 9714, 1.8 KB (checked in by beauz001, 3 weeks ago)
 Updating Trunk. Re: [#433](#) [#554](#) [#1003](#) [#1010](#) [#1016](#) [#1020](#) [#1021](#) [#1026](#) [#1031](#) [#1032](#) [#1044](#) [#1054](#) [#1056](#)
 Property svn:executable set to *
 Property svn:keywords set to Id URL

Rev	Line
[7204]	1 /* \$Id\$ */
[6733]	2 /* \$URL\$ */
	3 /* Author:*/
	4 /* Time-stamp: */
[558]	5 *****;
[976]	6 * Time-stamp: <04/05/17 12:28:14 vilhuber>
[998]	7 * Author: Simon Woodcock
	8 * Based on part of Jobflow01 by John Abowd, Karen Conneely,
	9 * Robert Pedace, and Paul Lengermann
	10 *
	11 * Initial processing of individual and employment history master files
	12 *
	13 * QWI STEP 1: BUILD THE PERSON HISTORY FILE
	14 *
	15 *
	16 * REQUIRES-DATA: ehf_[st].sas7bdat (all states but MN)
	17 * REQUIRES-DATA: ehf_seinunit_mn.sas7bdat (MN only)
	18 * REQUIRES-DATA: [st]_u2wi.sas7bdat
	19 *
	20 * PROVIDES-DATA: phf_[st]_a.sas7bdat
	21 *
	22 *-----;
	23 * REVISION HISTORY:
	24 *
	25 * 2003-05-19: options statement moved to CONFIG.ST.SAS, comments updated by Simon
	26 * 2003-05-30: Bryce added x command to make soft links to output files
	27 * 2003-06-07: Bryce modified filling of earnings array to include only values in the valid QWI processing range
[9714]	28 * 2013-05-23: Cleanup commented out code. (Added comment for Stephen Tibbets change.)
[558]	29 *****;
	30
	31
	32 title1 "Create the Person History File (PHF)";
	33 title2 "/programs/projects/EDE/v3.0/&st./01.create_phf.sas";
	34
	35

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Computing for Economists

Tracking using web interfaces: git

The screenshot shows the Bitbucket web interface for the repository 'Computing for Economists' by user 'computing4economists'. The repository is in the 'master' branch. The file path is 'Computing for Economists / web / mk_pgms.sh'. The commit hash is 'baa15b6' from 5 minutes ago. The file content is a bash script that creates a directory 'programs', adds three files ('day 1', 'day 2', 'day 3'), and generates HTML files from markdown files using 'multimarkdown'.

Bitbucket Repositories Create ?

Computing for Economists Clone Fork Compare Pull request

Overview **Source** Commits Pull requests Downloads 1

master Computing for Economists / web / mk_pgms.sh Source Diff History

baa15b6 5 minutes ago Full commit Blame Raw Edit

```

1  #!/bin/bash
2  outfile=programs.md
3  cat > $outfile << EOF
4  High-performance computing for Economists - Programs
5  =====
6  EOF
7
8  function add_day {
9  cat >> $outfile << EOF
10
11  Day $1
12  ----
13  EOF
14  for file in $(find ../programs/day$1 -name \*sh -o -name \*R -o -name \*sas| sort)
15  do
16  echo " * [$(file##*/)] ($file)" >> $outfile
17  done
18  }
19
20  add_day 1
21  add_day 2
22  add_day 3
23
24  multimarkdown $outfile > $(basename $outfile .md).html
25  git add $outfile $(basename $outfile .md).html
  
```

Tracking using web interfaces: git

Bitbucket Repositories [Create](#) ?

Computing for Economists Clone Fork Compare Pull request

computing4economists Share

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master [Computing for Economists / web / mk_pgms.sh](#) [Source](#) [Diff](#) [History](#)

Author	Revision	Message	Date
Lars Vilhuber	baa15b6	Added a function in bash	6 minutes ago
Lars Vilhuber	c581940	Switching the tex files to use package lstlisting, adding separate directory for downloadable	22 minutes ago

Tracking using web interfaces: git

master | Computing for Economists / web / mk_pgms.sh

Source Diff History

Diff from  c581940 22 minutes ago to  baa15b6 6 minutes ago

web/mk_pgms.sh Side-by-side diff

```

3 3 cat > $outfile << EOF
4 4 High-performance computing for Economists - Programs
5 5 =====
6 6 +EOF
7 7 +
8 8 +function add_day {
9 9 +cat >> $outfile << EOF
6 10
7 10 -Day 1
11 11 +Day $1
8 12 - - - -
9 13 EOF
10 14 -
11 14 -for file in $(find ../programs/day1 -name \*sh -o -name \*R -o -name \*sas| sort)
14 14 +for file in $(find ../programs/day$1 -name \*sh -o -name \*R -o -name \*sas| sort)
12 15 do
13 16 echo '* [${file##*/}](${file})' >> $outfile
14 17 done
18 18 +}
19 19 +
20 20 +add_day 1
21 21 +add_day 2
22 22 +add_day 3
15 23
16 24 multimarkdown $outfile > $(basename $outfile .md).html
17 25 git add $outfile $(basename $outfile .md).html

```

Subversion vs. Git

Checking out a subdirectory

SVN

```
1  svn co ${URL}/sub/directory (name)
```

GIT

```
1  mkdir <repo> && cd <repo>
2  git init
3  git remote add -f <name> <url>
4  git config core.sparsecheckout true
5  echo some/dir/ >> .git/info/sparse-checkout
6  echo another/sub/tree >>
  .git/info/sparse-checkout
7  git pull <remote> <branch>
```

Source: [here](#)

Next section