brought to you



Separation brings analysts an their graphs togethe

Matthew Barne Office for National Statistics, U

Overview

- Stata in the ONS
- Economic Trends
- The solution: use Stata's graphics
- Wishlist

Stata in the ONS

- Increasingly wide use in development
- Not a "production" tool
- Key part of the analytical toolkit
- Intensively used in our new virtual Research Lab

Research Lab – business microdata

www.statistics.gov.uk/about/bdl/

	& Research Deskto	Citaix ICA Client			
File Edit View Crea	Review				
🖻 MetaFrame XP -	use "W:\ard\results\dat200	Stata/SE 8.2 File Edit Prefs Data G	raphics <u>S</u> tatistics <u>U</u> ser <u>W</u> indow	Help	_ 🗆 🗶
File Edit View Fa					
🔇 Back 🔻 🐑 - 🗊		Stata Results			
Address 🙆 http://lcitri:		STA			
Google -		Statistics/Data A	4905 Lakewa	Main by/f/in Weights	S
	1	Special Editi	* College Star 800-STATA-Pr 979-696-460 979-696-460	the second and the second s	1
		28-user Stata for U Serial numbe Licensed S	dindows (network) perpetual lice pr: 81980526607	Variables: (leave empty for all variables)	
Me			LONDON LONDONONS	Examples: yr* all variables starting with "yr"	
IVIE		Notes: 1. (/m# opti 2. (/v# opti	on or -set nemory-) 10.00 HB at on or -set maxvar-) 5000 maximu	xyz-abc all variables between xyz and abc	
	Target: Command Window	No personal Stata p	State8\profile.do profile found	Options	
Applic	year 🔺	. use "W:\ard\resu	ts\dat2000pdg.dta", clear	C Standard display	
Тор 1				C Display additional statistics No display; just calculate mean	
	livelu frm_type			Use variable's display format	
Researc	rec_date vet_date			5	
Research	resptype awtband				
	nsamp npop			OK Cancel Submit	1
	gwtband enforce				-
	region ultfoc				
	wowent acp_stat				
	chklet entref				
	empment turnover	🚍 Stata Command			
	en_stat late_ret				
	wq11	M:\Documents and Settings\	barnem01\Desktop		1.
	Stata/SE	1.2			59
CITRIX					
3					Office
🛃 start 🛛 🖉	S 😰 😂 🚳 🕘	Matthew Barnes - Inb	🚳 MetaFrame XP - Micro	 Research Desktop - C 	 18:06

Economic Trends

- Revamp for 600th issue in November 2003
- Higher quality graphing required
- Done by designers for long articles
- Problem for short-term analytical articles

Short-term articles

- Solution involving design unit
 - Process slow
 - Prone to errors as designers don't understand analysts intentions
 - Very inefficient
- Need to find an alternative solution
 - Could Stata provide what we needed?

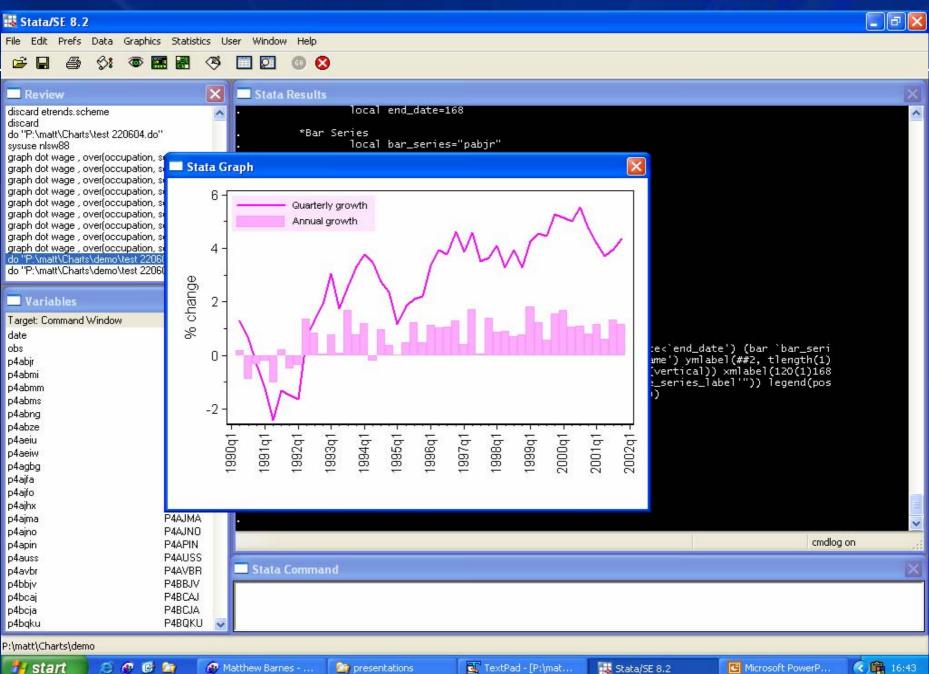
Using Stata: problems in Summer 2003

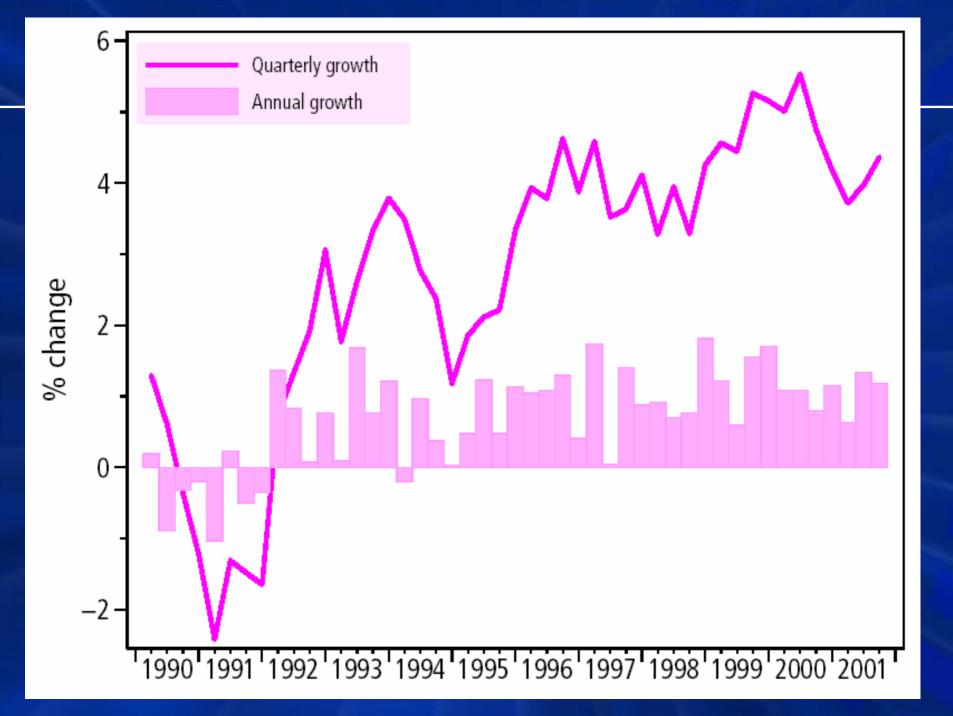
- Need for colour separable EPS files
 - But Stata only supported the RGB colour model when printing needs CMYK
- No documentation of graph styles
 - Styles are critical so non-expert users can produce correctly formatted graphs

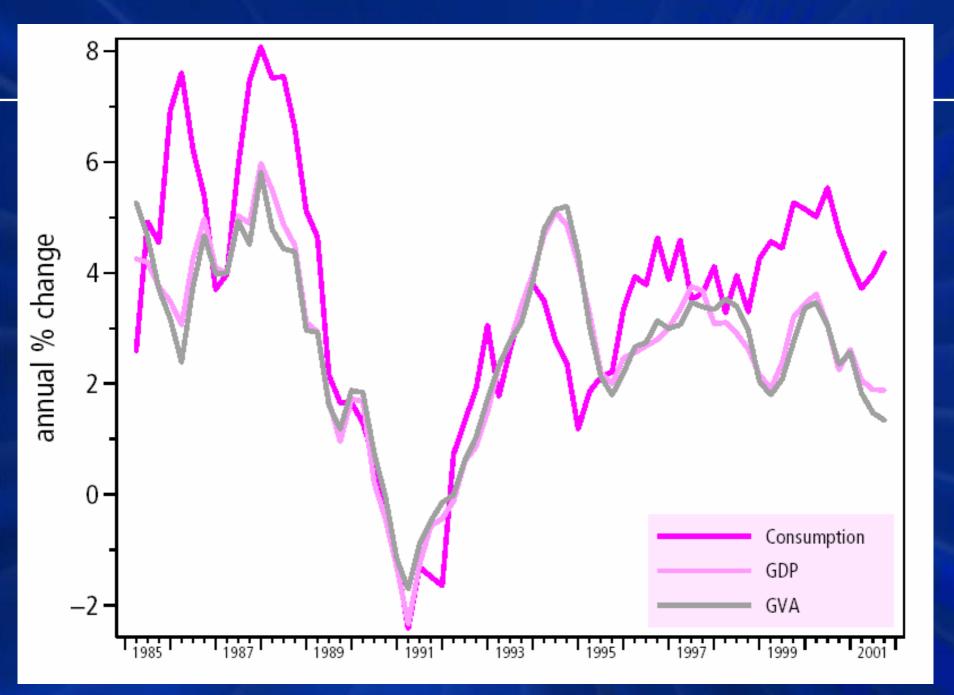
Response: contact Stata Corp!

- Very helpful
- CMYK added in January 2004 update
- Set up a style for us
- Support to customise styles

The result...









Not yet being used in production...

... but soon

- Proof of concept done
- Still tweaking the style with design
 - e.g. wanted lines 0.4pt rather than 0.33pt!
- Some training of staff who produce graphs needed

 Also plan to use Stata in place of Eviews for internal analytical chart packs – adaptation of ET style with more pleasant colours

Wishlist

- Speed currently it is frustratingly slow at times
- Documentation more would allow additional refinements and applications
 - Diagram showing what elements of scheme files refer to
- Direct use of PostScript fonts for correct previews
- Units other than inches
- Relationship between line widths and chart size makes design work more difficult

Conclusion

- Stata can do it and will save time
- Could be a possible corporate solution
- Still some things that could be better...