<u>Data and do-files for Griffith, Harrison and Van Reenen "How special is the special relationship? Using the impact of US R&D spillovers on UK firms as a test of technology sourcing"</u>

The necessary data for replication of the results in Tables 3 and 4 is contained in the Stata9 dataset "20040910_data.dta". The variable names and definitions are as listed in the table below. The Stata do files for replication of the results are contained in:

(1) "20040910_program.do" [for all main results]
(2) "20040910_op.do" [for Table 3 column (6)]. Note that this requires "20040910_ops.do" to be installed in the same sub-directory

Results are contained in the corresponding Stata log files.

For details about the construction of the variables see the web Appendix.

For more details about the construction of the IFS-Leverhulme dataset, see
http://www.ifs.org.uk/publications.php?publication_id=3557

varname	definition
year	year
dscode	Datastream firm identifier
isic	2 digit ISIC Rev 3
ii25 – ii2022	set of industry dummies
lemp	log employment
krddum1	dummy for zero R&D
lkrd	log of firm's real R&D stock
lrva2	log of firm's real value added
lrk2	log of firm's real capital stock
lrva2_k2	lrva2 – lrk2
lemp_k2	lemp – lrk2
mUSinv90	Wus, location only
USinvUScite90	Wus, location and citation
USinvUScite90_3	Wus, location and citation within 3 years
mGBinv90	Wuk, location only
GBinvGBcite90	Wuk, location and citation
GBinvGBcite90_3	Wuk, location and citation within 3 years
lkrdusa2	log US industry R&D stock
lkrduk2	log UK industry R&D stock
GBinv90_rduk2	mGBinv90 * lkrduk2
USinv90_rdusa2	mUSinv90 * lkrdusa2
GBcite90_rduk2	GBinvGBcite90 * lkrduk2
UScite90_rdusa2	USinvUScite90 * lkrdusa2
GBcite90_3_rduk2	GBinvGBcite90_3 * lkrduk2

UScite90_3_rdusa2	USinvUScite90_3 * lkrdusa2
nUSinvUScite90_3	Pus, location and citation within 3 years
nGBinvGBcite90_3	Puk, location and citation within 3 years
nUScite90_3_rdusa2	nUSinvUScite90_3 * lkrdusa2
nGBcite90_3_rduk2	nGBinvGBcite90_3 * lkrduk2
npat90	firm's number of pre-1990 patents
tUSinv90_rdusa2	npat90 * lkrdusa2
mpsalesnUK2	Share of foreign sales
snGB_rdusa2	mpsalesnUK2 * lkrdusa2
w_ind	Technological Proximity measure
w_ind_lkrus	w_ind * lkrdusa2
maxm	indicator equal to 3 for foreign sales data sample
highgap	indicator for high tfp-gap industries
rinv	firm's real investment