Getting started with openair

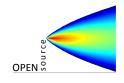
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What is **openair**?

- Project funded by NERC and Defra from Oct. 2008 – Oct. 2011
- Aim to make available data analysis tools for the air quality community
 - Addresses a clear need because existing tools are fragmented and often inaccessible
 - Considerable opportunity to gain more useful information from ambient air quality data (and other data)
- Do this in software called R
- Seek and encourage input from users and other researchers

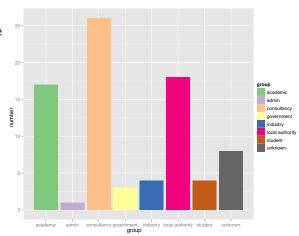


R software

- Programming language for data analysis and statistics
 - Can be hard to learn, but not necessary to do so to use openair
- Open-source, rapid growth, widely used and highly capable
 - Open-source is important open to scrutiny, contributions from the community, transparent
- R has been greatly extended through the use of a package system —
 there are today over 2,500 packages available that cover an enormous
 range of areas

The **openair** package

- Now available through global network of package repositories
- Documented in the software itself and through a separate 'manual'
- Accessible through http:/www. openair-project.org and King's College London ERG webpages



Today

- Live demonstration!
- Show how to import data
- Show use of a selection of functions
- Give a flavour of some future developments