

LIST OF USEFUL WEBSITES

Chapter 1 – Managers and numbers

Many Websites give free tutorials on spreadsheets – particularly Microsoft Excel. Some sources are manufacturers (primarily Microsoft at www.office.microsoft.com), universities (such as Iowa State University at www.wxtension.iostate.edu/pages/excel), companies (such as Baycon Group Inc on www.baycongroup.com) and individuals (such as Brad James on www.usd.edu/trio/tut/excel).

Chapter 2 – Calculations and equations

Several Websites describe mathematical material, including technical tutoring (which is not a tutor offering service) at www.hyper-ad.com/tutoring/, Matthew Pinkney's site at www.mathsrevision.net, www.mathcentre.ac.uk, www.math.about.com, www.webmath.com and www.sosmath.com. It is usually best to search through a range of sites until you find the material you want.

Many sites give financial data, with the following giving useful starting points.
www.bankofengland.co.uk – financial information from the Bank of England
www.financialtimes.com – information from the Financial Times
www.money.cnn.com – financial information from CNN
www.reuters.com – information from Reuters
www.uk.finance.yahoo.com - information from Yahoo's specialised financial information
www.fool.co.uk – Motley Fool Website has a strange name but gives lots of useful financial information.

Chapter 3 – Drawing graphs

Software suppliers have useful Websites – such as www.office.microsoft.com, www.serif.com, www.lotus.com and www.smartdraw.com – and these often include tutorials and guidance on drawing graphs.

You can start looking at information about finance and share prices in stock exchange Websites, such as www.londonstockexchange.com, www.deutsche-bourse.com, www.nasdaq.com and www.nyse.com. There are also information services, such as www.bbc.co.uk, www.bloomberg.com, www.uk.finance.yahoo.com, www.financialtimes.com, www.fool.co.uk, www.money.cnn.com and www.reuters.com.

Chapter 4 – Collecting data

Governments publish a huge amount of data on their Websites. In the UK you might start at the following sites – or equivalent sites for other countries.
www.ons.gov.uk – homepage of the UK Office of National Statistics; you can get the same information from www.statistics.gov.uk. Government sites that give

public information and links to other sites include www.open.gov.uk, www.yougov.com and www.directgov.uk.

You can find international information from the United Nations (whose homepage is www.un.org) and its subsidiaries, such as its statistics division at www.un.org/depts/unsd. Other international bodies are the Economic Commission for Europe at www.unece.org, World Bank (www.worldbank.org), International Monetary Fund (www.imf.org) and European Union (www.europa.eu.int and www.eurostat.ec.europa.eu.)

For specific information, you might try market research companies, such as www.gallup.com, www.mori.com, www.nop.com, www.mrs.org.uk, or many others. Companies that present information, include newspapers such as www.financialtimes.com, www.wsj.com (Wall Street Journal), www.economist.com, www.fortune.com, etc – and television companies such as www.bbc.co.uk, www.cnn.com, etc.

Chapter 5 – Diagrams for presenting data

A surprising number of Websites give tutorials and advice about drawing diagrams, including software suppliers and training companies. Software suppliers have useful Websites – such as www.office.microsoft.com, www.serif.com, www.lotus.com and www.smartdraw.com – and these often include advice and guidance on drawing graphs. Other useful sites include www.lacher.com and www.fodoweb.com/erfora.

Chapter 6 – Using numbers to describe data

You can find help with data description in a surprising number of Websites such as www.mathstore.ac.uk, Alan Dix's www.meandeviation.com, the Government of Canada's www.statcan.co/english/edu, and www.webmath.com, www.math.about.com, www.stat-help.com, www.conceptstew.co.uk, and Matthew Pinkney's site at www.mathrevision.net,

This material is also covered in on-line textbooks, such as www.statsoft.com/textbook/stathome.html, David Lane's www.davidlane.co/hyperstat, David Garson's www2.chass.ncsu.edu/garson/pa765/statnote.htm and Wikipedia at www.wikibooks.org/wiki/statistics.

You can get lists of other sources from, for example, www.statpages.org and www.math.yorku.ca.

Chapter 7 – Describing changes with index numbers

Probably the best place to see the use of indices is in government publications. Some sources for these are given in chapter 4.

Chapter 8 – Finance and performance

You can find useful explanations and examples of performance in www.bized.ac.uk, www.businesslink.gov.uk and www.apqr.org (the American Productivity and Quality Center). You can get related information from organisations, such as the Operational Research Society (www.orsoc.org.uk), International Federation of Operational Research Societies (www.ifors.org), European Operations Management Association (www.euroma-online.org) and the Association of Operations Management (www.apics.org).

A source of general finance information is www.investopedia.com, and more specific information comes in www.hsps.sph.sc.edu (University of Southern Carolina's site), www.businesstown.com, www.theequator (Steve's financial modelling tutorial), www.entrepreneur.com and www.dwmbeancounter.com

Information about financial irregularities comes in any news site, such as www.news.bbc.co.uk, www.financialtimes.com, www.wsj.com (The Wall Street Journal), www.economist.com and www.guardian.co.uk.

Chapter 9 – Regression and curve fitting

As well as the usual mathematical and statistical sites, such as www.mathstore.ac.uk, and www.zweigmedia.com/thirdedsite you can get other ideas at the Minitab Corporation site at www.minitab.com/resources, Kovach Computing Services at www.kovcomp.co.uk, David Lane at www.davidmlane.com and Middle Tennessee State University at www.mtsu32.mtsu.edu:11308.

Chapter 10 – Forecasting

Sites with forecasting tutorials include www.mathabout.com, www.forecastpro.com and www.dwmbeancounter.com. Sites with general advice about forecasting include www.businesslink.gov.uk, www.ibf.org (the Institute of Business Forecasting) and www.bized.ac.uk.

Sites specifically for oil prices and energy include www.eia.doe.gov (the US government's Energy Information Administration) and www.energy.ca.gov.

Chapter 11 – Linear programming

Linear programming is a popular topic in mathematics and management Websites. Useful introductions are on www.teachnet.ie/jcleary/index1.html, www.en.wikipedia.org and www.zweigmedia.com/thirdedsite. The Solver routine in Excel is provided by Frontline Systems Inc, and their site at www.frontsys.com describes the latest features.

You can get related information from organisations, such as the Operational Research Society (www.orsoc.org.uk), International Federation of Operational Research Societies (www.ifors.org), the Institute for operations research and management science (www.informs.org), European Operations Management

Association (www.euroma-online.org) and the Association of Operations Management (www.apics.org).

Chapter 12 – Uncertainty and probabilities

Several Websites give advice on statistics, and it is best to search available sites until you find the material you want. You might find some useful ideas in www.math.about.com, www.stat-help.com, www.conceptstew.co.uk, Alan Dix's www.meandeviation.com, and Matthew Pinkney's site at www.mathrevision.net, www.mathstore.ac.uk, the Government of Canada's www.statcan.co/english/edu, and www.webmath.com.

This material is also covered in on-line textbooks, such as www.statsoft.com/textbook/stathome.html, David Lane's www.davidmlane.com/hyperstat, David Garson's www2.chass.ncsu.edu/garson/pa765/statnote.htm and Wikipedia at www.wikibooks.org/wiki/statistics.

You can also get lists of other sources from, for example, www.statpages.org and www.math.yorku.ca. There are also a number of statistical societies that have useful Websites, such as www.rss.org.uk (Royal Statistical Society), www.amstat.org (American Statistical Association), www.statsoc.org.au (Statistical Society of Australia) and www.ssc.ca (Statistical Society of Canada).

Chapter 13 – Probability distributions

Again you can look in the Websites identified for the last chapter.

Chapter 14 – Using samples

The best starting point is the statistics sites mentioned in chapter 14. Useful tutorials are in www.socialresearchmethods.net/kb/sampling.htm and www.wise.cgu.edu/sdmmod.

Chapter 15 – Testing hypotheses

Again, the best starting point is the statistics sites mentioned in chapter 14. Useful tutorials are in www.socialresearchmethods.net/kb/sampling.htm and www.wise.cgu.edu/sdmmod.

Chapter 16 – Making decisions

You can find tutorials on decision analysis from universities, such as the Arizona State University site at www.public.asu.edu/~kirkwoodwww.public or software suppliers such as Palisade Europe at www.palisadeeurope.com/training/precisiontree.html and Vanguard Corporation at www.vanguard.com/dphelp4. Other useful sites are www.mindtools.com and www.en.wikipedia.org/wiki/decision-tree.

Chapter 17 – Quality management

There are many sources of information on the Web. In addition to general sites, and you might start by looking at:

www.asq.org – the American Society for Quality

www.iso.org – International Standards organisation, particularly their ISO 1900 family of standards

www.quality.nist.gov – describes the prestigious Malcolm Bradbridge National Quality Award

www.shingoprize.org – which describes the Shingo Prize for quality.

Some basic information is in www.deming.eng.clemson.edu. For other information you might look in www.qualitydigest.com, www.bized.ac.uk, and www.apqr.org (the American Productivity and Quality Center).

Chapter 18 – Inventory management

Some useful source sites are www.inventoryops.com and www.apics.org (formerly the American Production and Inventory Control Society – now the Association for Operations Management). You can get related information from organisations, such as the Operational Research Society (www.orsoc.org.uk), International Federation of Operational Research Societies (www.ifors.org), European Operations Management Association (www.euroma-online.org) and the Association of Operations Management (www.apics.org).

Chapter 19 – Project Management

Two main Institutions for project management have Websites at:

www.pmi.org – Project Management Institute

www.apm.org.uk – Association of Project Management

You can also try related sites, such as www.pmforum.org, www.allpm.com and www.pmtoday.co.uk.

Chapter 20 – Queues and simulation

A source of a lot of information about queuing – as well as a list of books on line – is Myron Hlynka's site at ww2.uwindsor.ca/~hlynka.queue.html.