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Statistical training in the workplace.

MacGillivray, Helen (ed.) et al., Topics from Australian conferences on teaching statistics. OZCOTS 2008–2012. New York, NY: Springer (ISBN 978-1-4939-0602-4/hbk; 978-1-4939-0603-1/ebook). Springer Proceedings in Mathematics & Statistics 81, 311-327 (2014).

Summary: The workplace provides a distinctive context for statistical education in contrast with other statistical training settings, such as through educational institutions, short courses and online course. We focus on our experience in delivering statistical training to staff at our workplace, where we have developed courses for people who are not statistics graduates and who work in an operational rather than a research organisation. We review the literature, describe our workplace and the statistical needs of its staff, and discuss the important but often ignored area of data handling. We then outline the courses we have developed, on study design and statistical modelling courses, explaining our choice of R and R Commander software. We review some differences between training in the workplace and in the education sector, and conclude with some experiences from outside our workplace and final comments.

Classification: K98 K78 K48 K88 D38 N88 U78

Keywords: study design; data handling; statistical modelling; R; R Commander

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