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Brooks, Robert; Booth, Ross; Wright, Jill; Sunta, Nishta

Problem-based learning of statistical sampling concepts using fantasy sports team data.

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, 397-403 (2014).

Summary: This paper explores a case of using data from a fantasy sports competition (the AFL Dream Team competition) to teach the core concepts in statistical sampling and the central limit theorem as they apply to problems of inference regarding the population mean.

Classification: K45 M95

Keywords: problem-based learning; statistical sampling; fantasy sports

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