

### iCAS CSPA Part 3 Reading List -- Articles

Abbreviation Used in Syllabus	Author	Title	website
Allison	Allison	Logistic Regresison for Rare Events	<a href="http://statisticalhorizons.com/logistic-regression-for-rare-events">http://statisticalhorizons.com/logistic-regression-for-rare-events</a>
Cabinet Office		Data Science Ethical Framework	<a href="https://www.gov.uk/government/publications/data-science-ethical-framework">https://www.gov.uk/government/publications/data-science-ethical-framework</a>
Heinze & Ploner	Heinze-Ploner	A SAS Macro, S-PLUS library and R package to perform logistic regression without convergence problems	<a href="http://www.meduniwien.ac.at/user/georg.heinze/techreps/tr2_2004.pdf">http://www.meduniwien.ac.at/user/georg.heinze/techreps/tr2_2004.pdf</a>
Iacus, et al	Iacus, King, and Porro	CEM: Software for Coarsened Exact Matching	<a href="http://gking.harvard.edu/files/gking/files/jss-paper.pdf">http://gking.harvard.edu/files/gking/files/jss-paper.pdf</a>
Kleinberg, et al	Kleinberg,Mullainathan,andRaghavan	Inherent Trade-Offs in the Fair Determination of Risk Scores	<a href="https://arxiv.org/abs/1609.05807">https://arxiv.org/abs/1609.05807</a>
Luca, et al	Luca, Kleinberg, and Mullainathan	Algorithms Need Managers, Too	<a href="https://hbr.org/2016/01/algorithms-need-managers-too">https://hbr.org/2016/01/algorithms-need-managers-too</a>
Miller	Miller	How Not To Run An A/B Test	<a href="http://www.evanmiller.org/how-not-to-run-an-ab-test.html">http://www.evanmiller.org/how-not-to-run-an-ab-test.html</a>
Mount 1	Mount	Why does designing a simple A/B test seem so complicated?	<a href="http://www.win-vector.com/blog/2015/06/designing-ab-tests/">http://www.win-vector.com/blog/2015/06/designing-ab-tests/</a>
Mount 2	Mount	A clear picture of power and significance in A/B tests	<a href="https://www.r-bloggers.com/a-clear-picture-of-power-and-significance-in-ab-tests/">https://www.r-bloggers.com/a-clear-picture-of-power-and-significance-in-ab-tests/</a>
Rubin	Rubin and Wterman	Estimating the Causal Effects of Marketing Interventions Using Propensity Score Methodology	<a href="https://arxiv.org/pdf/math/0609201.pdf">https://arxiv.org/pdf/math/0609201.pdf</a>
Smyth & Jorgensen	Smyth-Jorgensen	Fitting Tweedie's Compound Poisson Model to Insurance Claims Data: Dispersion Modeling	
Stuart & Rubin	Stuart and Rubin	Best Practices in Quasiexperimental Design - Matching Methods for Causal Inference	<a href="http://methods.sagepub.com/book/best-practices-in-quantitative-methods/d14.xml">http://methods.sagepub.com/book/best-practices-in-quantitative-methods/d14.xml</a>
Thomki & Manzi	Thomki and Manzi	The Discipline of Business Experimentation	<a href="https://hbr.org/2014/12/the-discipline-of-business-experimentation">https://hbr.org/2014/12/the-discipline-of-business-experimentation</a>
Wattenberg, et al	Wattenberg, Viégas, andHardt	Attacking discrimination with smarter machine learning	<a href="https://research.google.com/bigpicture/attacking-discrimination-in-ml/">https://research.google.com/bigpicture/attacking-discrimination-in-ml/</a>