Presentation summary

- Theories of developmental dyslexia still differ quite widely, especially in the interpretation of causes for the variety and range of characteristics that can be presented.
- Students at university present a range of learning and study profiles and characteristics, many of which might be considered as being aligned with the *dimensions* of a dyslexic learning profile.
- Academic Behavioural Confidence is focused on actions and plans that are specific to progressing in academic study, and is a sub-construct of academic self-efficacy although has distinct attributes.
- Although not widespread (yet), research evidence that does exist shows that academic behavioural
 confidence is negatively correlated with dyslexia.
- This research project developed a new metric: Dyslexia Index, for gauging a respondent's level of dyslexia, and used it to find a small subgroup of students with an unreported, dyslexia-like learning and study profile.
- Analysis of data collected appears to suggest that:
 - students with identified dyslexia present a statistically significantly lower level of ABC than their nondyslexic peers;
 - students with an unreported dyslexia-like profile present a statistically higher level of ABC than their dyslexia-identified peers.

REFERENCES

Ackerman, B.P., Izard, C.E., Kobak, R., Brown, E.D., Smith, C., 2007, Relation between reading problems and internalizing behaviour for pre-adolescent children from economically disadvantaged families, Child Development, 78(2), 581-596.

Armstrong D., Humphrey, N., 2008, Reactions to diagnosis of dyslexia among students entering further education: development of the 'resistance-accommodation' model, British Journal of Special Education, 36(2), 95-102.

Bandura, A., 1977, Self-efficacy: towards a unifying theory of behavioural change, Psychological Review, 84(2), 191-215.

Bandura, A., 1997, Self-efficacy: the exercise of control, Worth.

Bandura, A., 2001, Social cognitive theory: an agentic perspective, Annual Review of Psychology, 52, 1-26

Basham, J.D., Marino, M.T., 2013, Understanding STEM education and supporting students through universal design for learning, Teaching Exceptional Children, Mar/Apr 2013, 8-15.

Bong, M., 1996, Problems in academic motivation research and advantages and disadvantages or their solutions, Contemporary Educational Psychology, 21, 149-165.

Brownlee, J., 2015, Try reading this font and you'll better understand what dyslexia is like, fastcodesign blog, available at: http://www/fastcodesign.com/3047080/try-reading-this-font-and-youll-better-understand-what-dyslexia-is-like, accessed on: 31st January 2017.

Carroll, J.M., Iles, J.E., 2006, An assessment of anxiety levels in dyslexic students in higher education, British Journal of Educational Psychology, 76, 651-662.

Cavanagh, D., 2013, Outward bound train: The instructor support project: Universal Design for Learning and the role of technology, QScience Conference Proceedings 2013, Global Innovators Conference 2013:7, available at: http://www.qscience.com/doi/abs/10.5339/qproc.2013.gic.7, accessed on: 20th May 2015.

Chemers, M.M., Hu, L., Garcia, B.F., 2001, Academic self-efficacy and first-year college student performance and adjustment, Journal of Educational Psychology, 93(1), 55-94.

Cooper, R., 2006, Neurodiversity and dyslexia: challenging the social construction of specific learning difficulties, London South Bank University.

Cooper, R., 2009, Dyslexia, IN: Pollak, D., (Ed), Neurodiversity in Higher Education: Positive Responses to Specific Learning Differences, Chichester, Wiley.

de Feyter, T., Caers, R., vigna, C., Berings, D., Unravelling the impact of the Big Five personality traits on academic performance: the moderating and mediating effects of self-efficacy and academic motivation, Learning and Individual Differences, 22(4), 439-448.

Elliott, J.G., Grigorenko, E.L., 2014, The Dyslexia Debate, New York, Cambridge.

Heelan, A.G., Halligan, P., Quirke, M., 2015, Universal design for learning and its application to clinical placements in health science courses, Journal of Postsecondary Education and Disability, 28(4), 469-479.

Hunter-Carch, M., Herrington, M., (Eds), 2001, Dyslexia and effective learning in secondary and tertiary education, Chichester, Wiley.

Jungert, T., Hesser, H., Traff, U., 2014, Contrasting two models of academic self-efficacy: domain-specific versus cross-domain, in children received and not receiving special instruction in mathematics, Scandanavian Journal of Psychology, 55(5), 440-447.

Kline, P., 1986, A handbook of test construction: Introduction to psychometric design, London, Methuen.

Kommaraju, M., Karau, S.J., Schmeck, R.R., 2011, The BigFive personality traits, learning styles and academic achievement, Personality and Individual Differences, 51(4), 472-477.

Lauchlan, F., Boyle, C., 2007, Is the use of labels in special education helpful? Support for Learning, 22(1), 36-40.

McPhail, J.C., Freeman, J.G., 2005, Beyond prejudice: thinking toward genuine inclusion, Learning Disabilities Practice, 20(4), 254-267.

Moller, L., Huett, J., Holder, D., Young, J., Harvey, D., Godshalk, V., 2005, Examining the impact of learning communities on motivation, The Quarterly Reivew of Distance Education, 6(2), 137-143.

Norwich, B., 1999, The connotation of special education labels for processionals in the field, British Journal of Special Education, 26(4), 179-183.

Norwich, B., 2008, What future for special schools and inclusion? Conceptual and professional perspectives, British Journal of Special Education, 35(3), `36-143.

Norwich B., 2010, Dilemmas of difference, curriculum and disability: international perspectives, Comparative Education, 46(2), 113-135.

Nulty, D.D., 2008, The adequacy of response rates to online and paper surveys: what can be done? Assessment & Evaluation in Higher Education, 33(3), 301-314.

Pajares, F., Miller, M.D., 1994, Role of self-efficacy and self-concept beliefs in mathematical problem-solving: A path analysis, Journal of Educational Psychology, 86(2), 193-203.

Pajares, F., Schunk, D., 2002, Self and self-belief in psychology and education: an historical perspective, IN: Aronson, J., (Ed), Improving academic achievement, Ney York, Academic Press.

Pollak, D., 2005, Dyslexia, the self and higher ecuation: Learning life-histories of students identified as dyslexic, Oxford, Wiley-Blackwell.

Pollak, D., 2009, Neurodiversity in higher education: positive responses to specific learning differences, Oxford, Wiley-Blackwell.

Ramus, F., 2004, Neurobiology of dyslexia: a reinterpretation of the data, Trends in Neuroscience, 27(12), 720-726.

Rice, M., Brooks, G., 2004, Developmental dyslexia in adults: a research review, London, National Research and Development Centre for Adult Literacy and Numeracy.

Rose, D.H., Meyer, A., 2000, Universal design for learning, Journal of Special Education Technology, 15(4), 47-51.

Sander, P., Sanders, L., 2003, Measuring confidence in academic study: a summary report, Electronic Journal of Educational Psychology and Psychopedagogy, 1(1), 1-17.

Sander, P., Sanders, L., 2006, Understanding academic confidence, Psychology Teaching Review, 12(1), 29-42.

Sander, P., Sanders, L., 2009, Measuring academic confidence: the ABC scale revisited, Studies in Higher Education, 34(1), 19-35.

Smythe, I., 2011, Dyslexia, British Journal of Hospital Medicine, 72(1), 39-42.

Snowling, et al 2007

Stajkovic, A.D., Luthans, F., 1998, Social cognitive theory and self-efficacy: going beyond traditional motivational and behavioural approaches, Organizational Dynamics, 26(4), 62-74.

Stankov, L., Lee, J., Hogan, D.J., 2012, Confidence: a better predictor of academic achievement than self-efficacy, self-concept and anxiety? Learning and Individual Differences, 22, 747-758.

Stanovich, K.E., 1999, The sociopsychometrics of learning disabilities, Journal of Learning Disabilities, 32(4), 350-361.

Uitto, A., 2014, Interest, attitudes and self-efficacy beliefs explaining upper-secondary school students' orientation towards biology-related careers, International Journal of Science and Mathematics, 12, 1425-1444.

Usher, E.L., Pajares, F., 2008, Sources of self-efficacy in school: critical review of the literature and future directions, Review of Educational Research, 78(4), 751-796.

Wilson, F., Kickup, J., Marlino, D., 2007, Gender, entrepreneurial self-efficacy and entrepreneurial career intentions: implications for entrepreneurship, Entrepreneurship Theory & Practice, 31, 387-406.