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Research outputs

A comparison of the original major depression inventory with a modified version: A Danish validation study

Pedersen, H. S., Christensen, Karl Bang, Prior, A. & Christensen, K. S., 2024, In: Acta Psychiatrica Scandinavica. 149, 3, p. 267-278 12 p.

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The dimensionality of the Perceived Stress Scale: The presence of opposing items is a source of measurement error

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Al-Gburi, M., Kristiansen, J. B., Christensen, Karl Bang & Krogsgaard, Michael R., 2023, In: Knee Surgery, Sports Traumatology, Arthroscopy. 31, p. 5905-591 8 p.

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Adrian, T., Hornum, Mads, Knop, Filip Krag, Christensen, Karl Bang, Almdal, Thomas Peter, Rossing, Peter, Lídaa, L. Í., Heinrich, N. S., Boer, V. O., Marsman, A., Petersen, E. T., Siebner, Hartwig Roman & Feldt-Rasmussen, Bo, 2023, In:

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Measuring needs-based quality of life and self-perceived health inequity in patients with multimorbidity: investigating psychometric measurement properties of the MultiMorbidity Questionnaire (MMQ) using primarily Rasch models

Bissenbakker, Kristine Henderson, Siersma, Volkert Dirk, Jønsson, Alexandra Brandt Ryborg, Møller, Anne, Christensen, Karl Bang & Brodersen, John Brandt, 2023, In: Journal of Patient-Reported Outcomes. 7, 1, 15 p., 94.

Modeling local item dependence in C-tests with the loglinear Rasch model

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Pedi-IKDC exhibits questionable measurement properties in a cohort of pediatric patients with ACL rupture

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Psychosocial working conditions and sickness absence among younger employees in Denmark: a register-based cohort study using job exposure matrices

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Effectiveness of Adding a Large Dose of Shoulder Strengthening to Current Nonoperative Care for Subacromial Impingement: A Pragmatic, Double-Blind Randomized Controlled Trial (SExSI Trial): Response

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KOOS-Child exhibits inadequate structural validity in a cohort of paediatric patients with ACL deficiency

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How to translate and locally adapt a PROM: Assessment of cross-cultural differential item functioning

Krogsgaard, Michael R., Brodersen, John Brandt, Christensen, Karl Bang, Siersma, Volkert Dirk, Jensen, J., Hansen, C. F., Engebretsen, L., Visnes, H., Forssblad, M. & Comins, J. D., 2021, In: Scandinavian Journal of Medicine & Science in Sports. 31, 5, p. 999-1008 10 p.

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Glenohumeral and scapulothoracic strength impairments exists in patients with subacromial impingement, but these are not reflected in the shoulder pain and disability index

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Testing the Fit of Latent Regression Models

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Education

- Ph.d. degree in Biostatistics, University of Copenhagen, 2003
- Master degree in theoretical statistics, University of Copenhagen, 1998.

Professional Activities

- Chairman of the Danish Society for Theoretical Statistics 2012-2015.
- Member of the local organizing committee of the 26th Nordic Conference in Mathematical Statistics in Copenhagen, 2016.
- Member of the local organizing committee of the 5th Nordic-Baltic Biometric Conference, in Copenhagen, 2017.
- Academic editor for PLOS ONE.
- Associate editor for Frontiers In Psychology.

Supervision

Have acted as supervisor for three master thesis in the Master of Health Science (Cand.Scient.San.) program at the University of Copenhagen and as supervisor for three master theses in the mathematical statistics program at the University of Copenhagen (Faculty of Science). Five of these six projects lead to peer reviewed publications. Three of these published this year. Two published earlier:

- Clausen MB et al. The American Journal of Sports Medicine, 2014. Impact factor 6.2, cited 97 times.
<https://doi.org/10.1177/0363546514541224>.
- Søberg S et al. Cell metabolism. 2017. Impact factor 27.3, cited 146 times.
<https://doi.org/10.1016/j.cmet.2017.04.009>.

Have been PhD supervisor for two PhD students (both statisticians) and as PhD co-supervisor for four projects (three candidates in Public Health, one Master of Health Science). Currently supervising/co-supervising four PhD students (two statisticians, one medical doctor, one candidate in Public Health).