**Documentation of Data for the Project:**

**“Accuracy of Computerized Adaptive Testing in Heterogeneous Populations”**

* CAT-5D-QOL: A computerized adaptive test (CAT) to measure 5 domains of health-related quality of life (HRQL). The domains are Daily Activities (DAILY), Walking (WALK), Handling Objects (HAND), Pain or Discomfort (PAIN), and Feelings (FEEL).
* The data set includes the items from the Pain item bank of the CAT-5D-QOL, named: q138-q144 q146-q155 q157-q161 q164 q166-q178
* Demographic variables:
	+ GI5: During the past 4 weeks, have you taken any medication(s)? (1=’No’ 2=’1 medication’ 3=’yes, 2 or more medication’)
	+ GI6: Have you been a patient overnight in a hospital in the past year? (1=’No’ 2=’Yes’)
	+ GI7: How would you rate your health in general? ((1=’Excellent’ 2=’Very good’ 3=’Good’ 4=’Fair’ 5=’Poor’)
	+ b\_sick: Has another health condition (1=’No’ 2=’Yes’)
	+ b\_oa: Has osteoarthritis (1=’No’ 2=’Yes’)
	+ b\_ra: Has rheumatoid arthritis (1=’No’ 2=’Yes’)
	+ sex: (1=’Male’ 2=’Female’)
	+ age

**References**

Kopec JA, Badii M, McKenna M, Lima VD, Sayre EC, Dvorak M. Computerized adaptive testing in back pain: validation of the CAT-5D-QOL. *Spine*. 2008 May 20;33(12):1384-90. doi: 10.1097/BRS.0b013e3181732a3b. PubMed PMID: 18496353.

Kopec JA, Sayre EC, Davis AM, Badley EM, Abrahamowicz M, Pouchot J, Sherlock L, Esdaile JM. Development of a paper-and-pencil semi-adaptive questionnaire for 5 domains of health-related quality of life (PAT-5D-QOL). *Qual Life Res*. 2013 Dec;22(10):2829-42. doi: 10.1007/s11136-013-0419-4. Epub 2013 May 8. PubMed PMID: 23653158.

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