

# Bogota Measurements - Concurrent Validity Bayley-Short Tests

## Brief Description of the Dataset

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DATABASE

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## Brief Description of the Dataset

This dataset contains cross-sectional data collected on child development outcomes, child characteristics, and parental and home characteristics for a sample of 1,311 children ages 6-42 months of age living in a representative sample of low- and low-middle-income households in Bogota, Colombia. This is the sample used for the analysis in the paper “Concurrent Validity and Feasibility of Short Tests Currently Used to Measure Early Childhood Development in Large Scale Studies” by Marta Rubio-Codina, M Caridad Araujo, Orazio Attanasio, Pablo Muñoz and Sally Grantam-McGregor, forthcoming at PLOS ONE. The dataset and do files shared allow replication of the results in the paper. Please note that these data can only be used for non-commercial research purposes given the IDB data sharing standards and in order to comply with the commitment acquired by the researchers with study participants by means of the informed consent.

The dataset includes developmental measures collected through the following instruments:

- Bayley Scales of Infant and Toddler Development (third edition, Bayley-III)
- Ages and Stages Questionnaires (third edition, ASQ-3)
- Denver Developmental Screening Test (second edition, Denver-II)
- Battelle Developmental Inventory screener (second edition, BDI-2)
- vocabulary checklists in the Short-Forms of the MacArthur-Bates Communicative Development Inventories I and II (SFI and SFII)
- World Health Organization gross motor milestones (WHO-Motor, WHO 2006)

The full list of variables included and variable names are available at “data description.xls”. Please note that the following prefixes refer to:

\_mo: mother  
\_fa: father  
\_hh: head of the household  
\_sp: spouse of head of the household

## Note on Do Files

- ‘descriptive’ folder: includes do files to produce tables with descriptive statistics on developmental outcomes and child and household characteristics
- ‘core’ folder: includes basic do files to produce formatted correlation tables
- ‘pearson’ folder: includes the do files to produce the main results reported in Table 3 in the paper (concurrent validity) and further analysis do files organized in the following subfolders:
  - o ‘bs\_se’ folder: do files to produce bootstrapped standard errors for the correlations reported in Table 3
  - o ‘self’ folder: do files to produce correlations between the scales in a test and the correlation of these scales with socioeconomic variables (in Table 4)
  - o ‘tests\_corrs’ folder: computes pvalues (bootstrap) for the difference in concurrent validity between tests

## Further Information

For more detailed information on the study and the data, please refer to ongoing work which will be updated at the IDB website: <https://publications.iadb.org/>.

If there are any further questions regarding the data and its use, please contact Marta Rubio-Codina: [martarubio@iadb.org](mailto:martarubio@iadb.org).