Through the application of the statistical tools that compose item response theory—coupled. Bilog 3: Item analysis and test scoring with binary logistic models. Robert Mislevy - Google flexMIRT: Flexible multilevel multidimensional item analysis and test scoring. An evaluation of marginal maximum likelihood estimation for the two-parameter logistic model. BILOG 3: Item analysis and test scoring with binary logistic models BILOG 3 for Windows: Item Analysis and Test Scoring with Binary. For binary items, the average percentage of examinees who change their responses in a typical personality item for a test-retest interval of 3 to 4 weeks is estimated to be 20%. model in the personality domain is the two-parameter logistic model. parameters were estimated for both Time 1 and Time 2 data using BILOG 3. Item response theory (IRT) models are the central tools in modern measurement and. BILOG-MG 3: Item analysis and test scoring with binary logistic models Download Bilog 3: Item Analysis & Test Scoring with Binary Logistic. 2017 Jul 2710(1):333. doi: 10.1186/s13104-017-2652-3. based on Mislevy and Bock (BILOG 3 Item analysis and test scoring with binary logistic models.