



โปรแกรมวิเคราะห์ข้อสอบ

รุ่น 2.0

การสอบ : SIID 521 (Basic Sciences)

วันที่ : 22 ธันวาคม 2555

จำนวนข้อสอบ = 120

จำนวนผู้เข้าสอบ = 244

Difficulty Index --> p-value (proportion of students answer item correctly)

$$p\text{-Value} = \frac{\text{number of students answer correctly}}{\text{total number of students answer that item}}$$

Discrimination Index --> D or r-value --> Point-biserial correlation coefficient (r_{pb1})

SCORE STATISTICS

Mean = 68.152 S.D. = 11.915

Mode = 65 (freq = 14)

Max = 94 Min = 28

DIFFICULTY INDEX (p value)

Average (p-bar) = 0.566 Max p = 0.990 Min p = 0.010

DISCRIMINATION INDEX (D or r value)

Average (D-bar) = 0.244 Max D = 0.680 Min D = -0.180

RELIABILITY COEFFICIENT (rtt) = 0.847
(Kuder-Richardson formula 20)

STANDARD ERROR OF MEASUREMENT (SEM) = 4.655
(S.D. x $\sqrt{1-\text{rtt}}$)