

$$\textcircled{1} \quad \bar{X}_{F-C} = \frac{35 \cdot 1 + 65 \cdot 2 + 0 \cdot 3 + 51 \cdot 4 + 32 \cdot 5 + 9 \cdot 6 + 8 \cdot 7}{200} = \frac{35 + 130 + 0 + 204 + 160 + 54 + 56}{200} = \frac{639}{200} = 3'2$$

$$\bar{X}_{A-P} = \frac{40 \cdot 1 + 51 \cdot 2 + 33 \cdot 3 + 1 \cdot 4 + 9 \cdot 5 + 60 \cdot 6 + 6 \cdot 7}{200} = \frac{40 + 102 + 99 + 4 + 45 + 360 + 42}{200} = \frac{692}{200} = 3'46$$

$$\bar{X}_{E-I} = \frac{60 \cdot 1 + 40 \cdot 2 + 34 \cdot 3 + 14 \cdot 4 + 43 \cdot 5 + 1 \cdot 6 + 8 \cdot 7}{200} = \frac{60 + 80 + 102 + 56 + 215 + 6 + 56}{200} = \frac{575}{200} = 2'88$$

$$PF = \frac{3'2 + 3'46 + 2'88}{3} = \frac{9'54}{3} = 3'18$$

$$\textcircled{3} \quad \frac{6+5+7}{3} = \frac{18}{3} = 6$$

2018

| | 1 | 2 | 3 | 4 | 5 | Σ |
|---|---|---|---|---|---|---|
| A | 1 | 1 | 0 | 1 | 1 | 4 |
| B | 1 | 0 | 0 | 0 | 0 | 1 |
| C | 1 | 1 | 0 | 1 | 0 | 3 |
| D | 1 | 1 | 1 | 1 | 0 | 4 |
| E | 1 | 1 | 0 | 0 | 0 | 2 |
| F | 1 | 1 | 1 | 0 | 0 | 3 |
| Σ | 6 | 5 | 2 | 3 | 1 | |

Ordenar columnas.

| | 1 | 2 | 4 | 3 | 5 | |
|---|---|---|---|---|---|---|
| A | 1 | 1 | 1 | 0 | 1 | 4 |
| B | 1 | 0 | 0 | 0 | 0 | 1 |
| C | 1 | 1 | 1 | 0 | 0 | 3 |
| D | 1 | 1 | 1 | 1 | 0 | 4 |
| E | 1 | 1 | 0 | 0 | 0 | 2 |
| F | 1 | 1 | 0 | 1 | 0 | 3 |
| | 6 | 5 | 3 | 2 | 1 | |

Ordenar filas

| | 1 | 2 | 4 | 3 | 5 | |
|---|---|---|---|---|---|---|
| A | 1 | 1 | 1 | 0 | 1 | 4 |
| D | 1 | 1 | 1 | 1 | 0 | 4 |
| F | 1 | 1 | 0 | 1 | 0 | 3 |
| C | 1 | 1 | 1 | 0 | 0 | 3 |
| E | 1 | 1 | 0 | 0 | 0 | 2 |
| B | 1 | 0 | 0 | 0 | 0 | 1 |
| | 6 | 5 | 3 | 2 | 1 | |

$$\textcircled{5} \quad CR = 1 - \frac{\text{errores}}{\text{items} \times \text{participantes}}$$

$$CR = 1 - \frac{4}{5 \times 6} = 1 - \frac{4}{30} = 1 - 0'13 = 0'87$$

⑥ $0'87 < 0'9$ - No se ajustan

discriminación del ítem = homogeneidad

$$\textcircled{7} \quad IF = S_j \cdot (f_{jx}) = 1'26 \cdot 0'212 = 0'27$$