

ELCSA aplicada en la Encuesta de Empleo

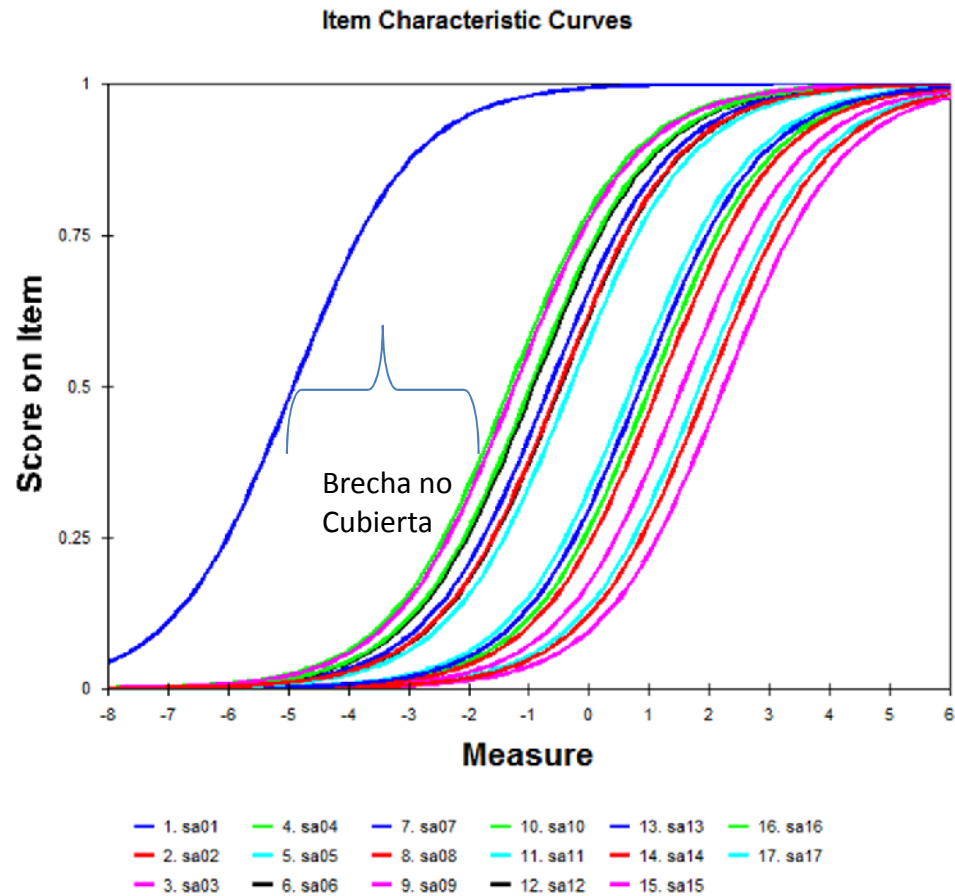
Ecuador

Validación de la Escala

Contexto

- Escala impulsada por FAO e implementada en levantamientos relacionados a situación nutricional y en una encuesta de empleo (Marzo-2010)
- Marco Nacional Urbano
- Encuesta no especializada en la temática
- Permite conocer realidad de pobreza por ingreso, escolaridad, condición de actividad, etc

Validación Interna



Validación Interna

Posición
no Usual

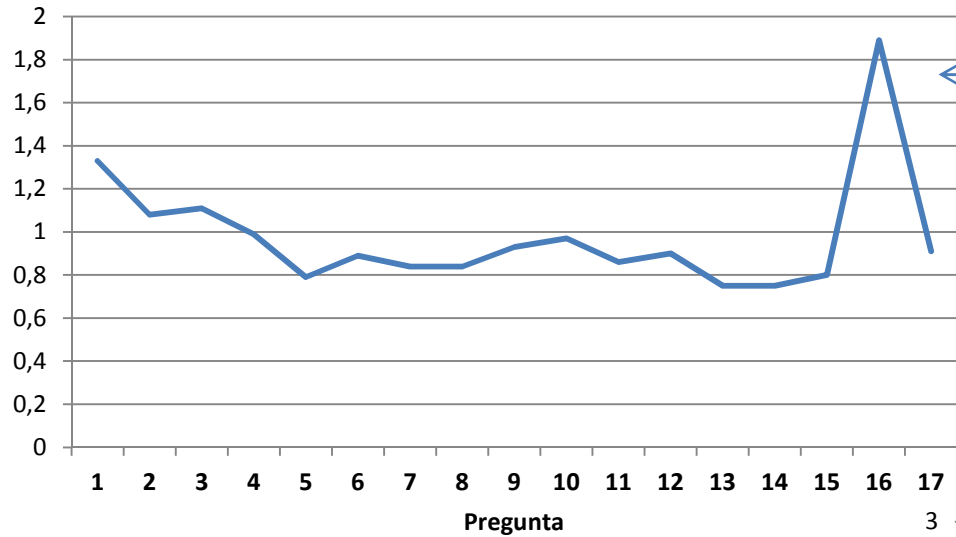


| Pregunta | Medida | S.E. | Infit | Outfit |
|----------|--------|------|-------|--------|
| 9 | 2.24 | 0.07 | 0.93 | 0.96 |
| 8 | 1.97 | 0.07 | 0.84 | 0.7 |
| 17 | 1.84 | 0.06 | 0.91 | 0.73 |
| 15 | 1.55 | 0.05 | 0.8 | 0.52 |
| 14 | 1.16 | 0.05 | 0.75 | 0.48 |
| 16 | 1.02 | 0.05 | 1.89 | 3.22 |
| 7 | 0.86 | 0.06 | 0.84 | 0.59 |
| 11 | 0.71 | 0.05 | 0.86 | 0.66 |
| 5 | -0.31 | 0.05 | 0.79 | 0.58 |
| 6 | -0.48 | 0.05 | 0.89 | 0.72 |
| 2 | -0.5 | 0.05 | 1.08 | 1.02 |
| 13 | -0.66 | 0.05 | 0.75 | 0.55 |
| 12 | -0.93 | 0.05 | 0.9 | 0.76 |
| 4 | -0.98 | 0.05 | 0.99 | 0.85 |
| 3 | -1.24 | 0.05 | 1.11 | 1.1 |
| 10 | -1.32 | 0.04 | 0.97 | 1.02 |
| 1 | -4.92 | 0.06 | 1.33 | 9.9 |
| Media | 0 | 0.05 | 0.98 | 1.43 |
| S.D. | 1.69 | 0.01 | 0.27 | 2.2 |

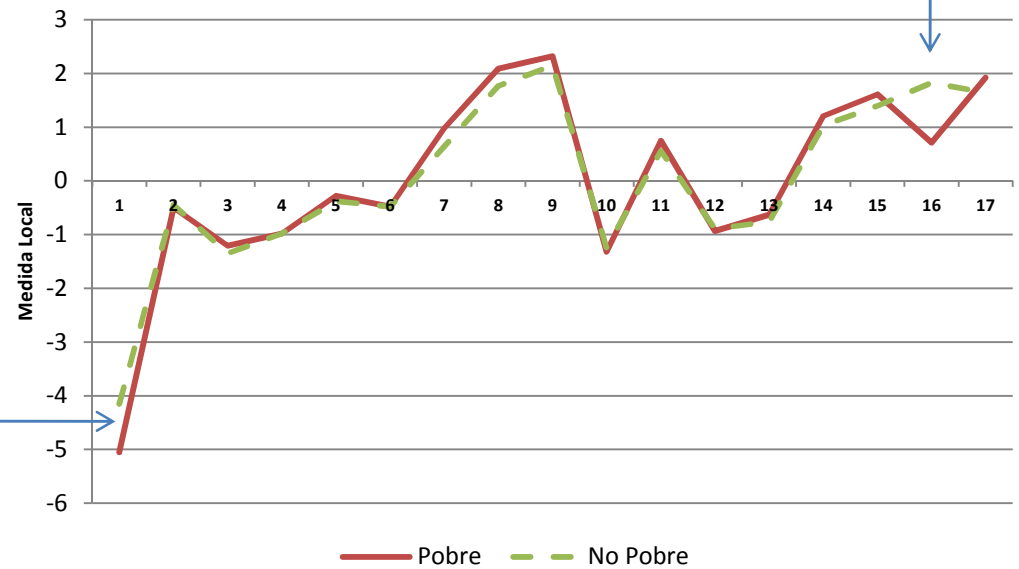
Mayor
Severidad
para
preguntas
de Menores

Validación Interna

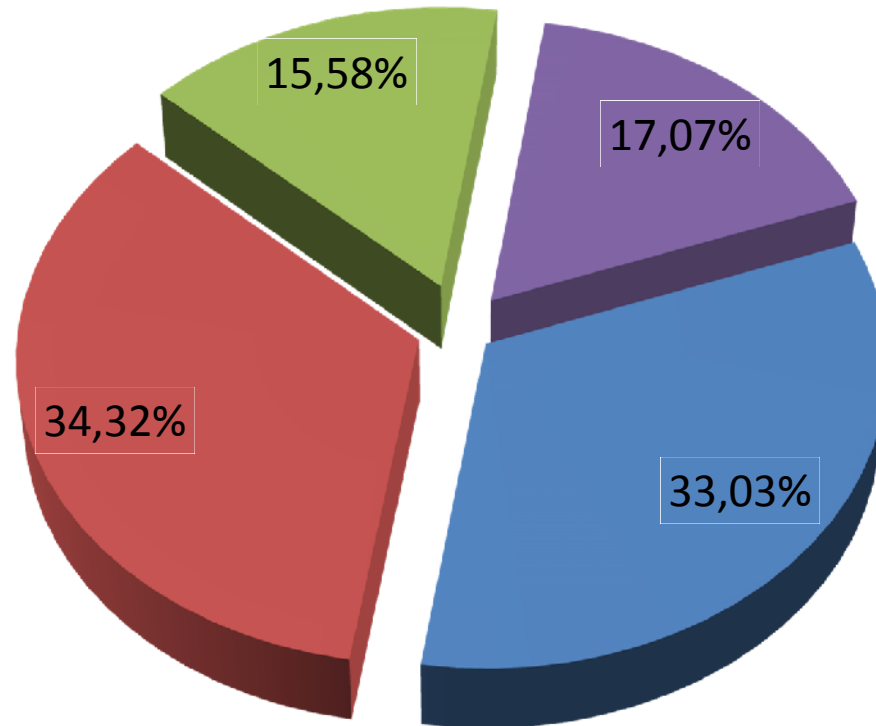
Infit por Pregunta



DIF por Pobreza



Seguridad Alimentaria



■ Seg. Alimentaria

■ Inseguridad Leve

■ Inseguridad Moderada

■ Inseguridad Severa

Seguridad Alimentaria

| Seguridad Alimentaria | | Seguros | Inseguros Leves | Inseguros Moderados | Inseguros Severos | Total |
|------------------------|------------------|---------|-----------------|---------------------|-------------------|-----------|
| sexo | hombre | 593,962 | 587,671 | 258,767 | 253,967 | 1,694,367 |
| | | 35.06 | 34.68 | 15.27 | 14.99 | 100.00 |
| | mujer | 195,685 | 232,875 | 113,685 | 154,044 | 696,289 |
| | | 28.10 | 33.45 | 16.33 | 22.12 | 100.00 |
| Pobreza | No Pobre | 728,545 | 723,649 | 285,991 | 295,375 | 2,033,560 |
| | | 35.83 | 35.59 | 14.06 | 14.53 | 100.00 |
| | Pobre | 38,703 | 80,064 | 79,563 | 108,65 | 306,98 |
| | | 12.61 | 26.08 | 25.92 | 35.39 | 100.00 |
| Pobreza Extrema | No Pobre extremo | 753,415 | 776,436 | 340,305 | 343,276 | 2,213,432 |
| | | 34.04 | 35.08 | 15.37 | 15.51 | 100.00 |
| | Pobre Extremo | 13,833 | 27,277 | 25,249 | 60,749 | 127,108 |
| | | 10.88 | 21.46 | 19.86 | 47.79 | 100.00 |

Seguridad Alimentaria

| Seguridad Alimentaria | | Seguros | Inseguros Leves | Inseguros Moderados | Inseguros Severos | Total |
|-----------------------|------------|--------------|-----------------|---------------------|-------------------|---------------|
| Nivel Escolaridad | ninguno | 11,14 | 24,26 | 18,282 | 40,083 | 93,765 |
| | | 11.88 | 25.87 | 19.50 | 42.75 | 100.00 |
| | primaria | 219,23 | 290,731 | 192,627 | 216,314 | 918,902 |
| | | 23.86 | 31.64 | 20.96 | 23.54 | 100.00 |
| | secundaria | 251,77 | 298,141 | 128,018 | 123,617 | 801,546 |
| | | 31.41 | 37.20 | 15.97 | 15.42 | 100.00 |
| | superior | 307,507 | 207,414 | 33,525 | 27,997 | 576,443 |
| | | 53.35 | 35.98 | 5.82 | 4.86 | 100.00 |
| Ocupado | No Ocupado | 370,223 | 493,881 | 270,314 | 326,357 | 1,460,775 |
| | | 25.34 | 33.81 | 18.50 | 22.34 | 100.00 |
| | Ocupado | 419,424 | 326,665 | 102,138 | 81,654 | 929,881 |

Seguridad Alimentaria

| Seguridad Alimentaria | | Seguros | Inseguros Leves | Inseguros Moderados | Inseguros Severos | Total |
|------------------------|---------------------|---------------|-----------------|---------------------|-------------------|----------------|
| Etnia | indígena | 35,689 | 49,411 | 31,422 | 43,616 | 160,138 |
| | | 22.29 | 30.86 | 19.62 | 27.24 | 100.00 |
| | blanco | 92,767 | 104,008 | 35,468 | 33,54 | 265,783 |
| | | 34.90 | 39.13 | 13.34 | 12.62 | 100.00 |
| | mestizo | 660,895 | 666,378 | 305,562 | 330,489 | 1,963,324 |
| | | 33.66 | 33.94 | 15.56 | 16.83 | 100.00 |
| Menores de Edad | Sin menores de edad | 404,801 | 549,786 | 266,864 | 285,538 | 1,506,989 |
| | | 26.86 | 36.48 | 17.71 | 18.95 | 100.00 |
| | Con menores de edad | 384,236 | 270,76 | 105,588 | 122,473 | 883,057 |
| | | 43.51 | 30.66 | 11.96 | 13.87 | 100.00 |
| Etnia | indígena | 35,689 | 49,411 | 31,422 | 43,616 | 160,138 |

Validación Externa y Resultados

Ordered probit estimates

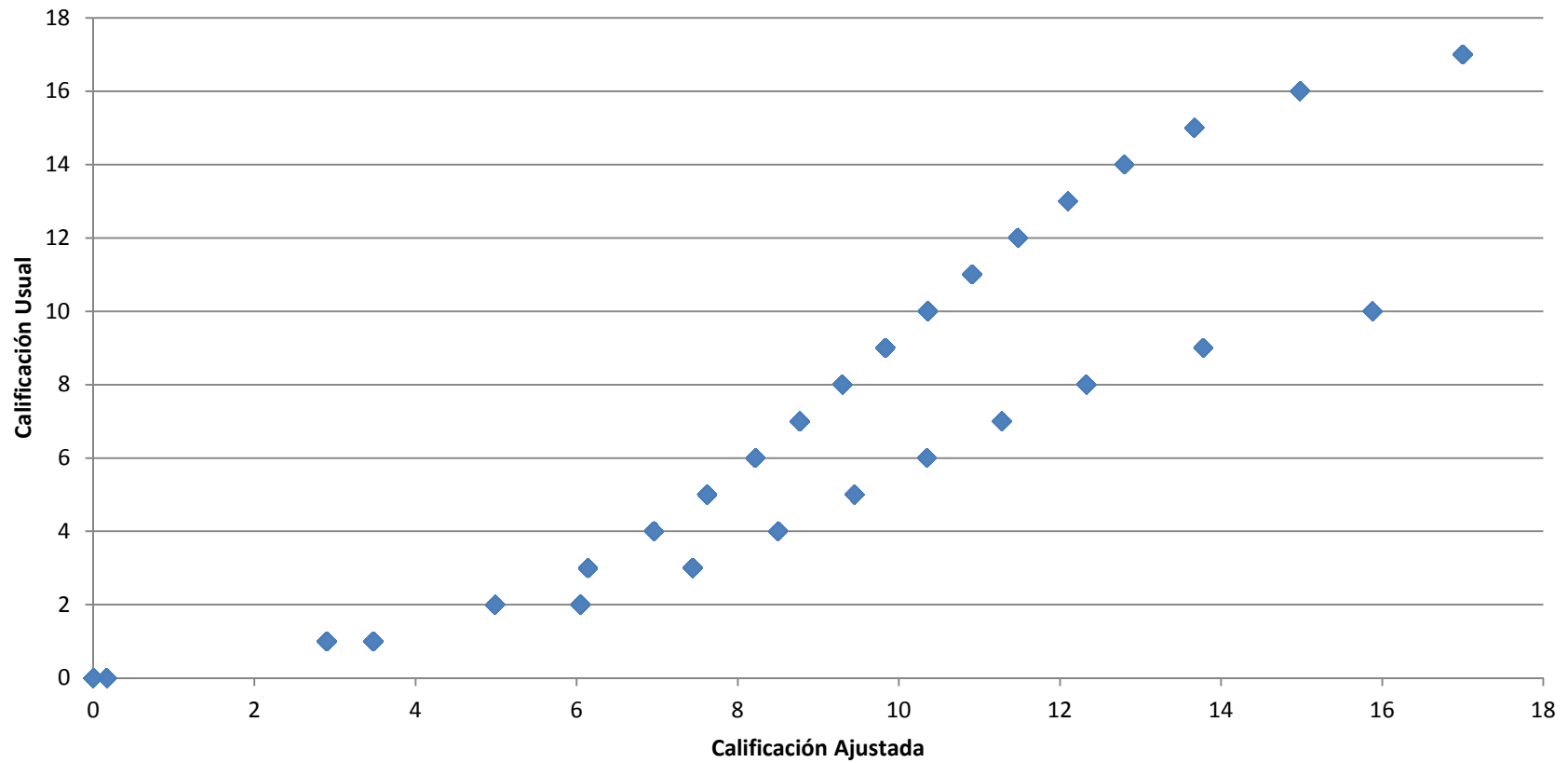
Log likelihood = -7479.7776

Number of obs = 6292
 LR chi2(12) = 1593.24
 Prob > chi2 = 0.0000
 Pseudo R2 = 0.0963

| sa1 | Coef. | Std. Err. | z | P> z | [95% Conf. Interval] | |
|------------------------|-----------|-----------|--------|-------|----------------------|-----------|
| pobre | .4955125 | .0443641 | 11.17 | 0.000 | .4085604 | .5824646 |
| pobrex | .7163188 | .0670674 | 10.68 | 0.000 | .5848692 | .8477684 |
| escola | -.0676971 | .0032946 | -20.55 | 0.000 | -.0741545 | -.0612398 |
| mujer | .1274107 | .0322107 | 3.96 | 0.000 | .0642789 | .1905425 |
| edad | -.0112005 | .0010353 | -10.82 | 0.000 | -.0132297 | -.0091713 |
| ocupado | -.2949572 | .0448529 | -6.58 | 0.000 | -.3828673 | -.207047 |
| subempleado | .0836368 | .0414148 | 2.02 | 0.043 | .0024653 | .1648082 |
| rn_2 | .3171948 | .0297954 | 10.65 | 0.000 | .2587969 | .3755926 |
| rn_3 | .1659113 | .0586296 | 2.83 | 0.005 | .0509995 | .2808232 |
| etn1 | .2431362 | .0569267 | 4.27 | 0.000 | .1315618 | .3547106 |
| etn2 | -.0125072 | .0466826 | -0.27 | 0.789 | -.1040033 | .078989 |
| n | .0476447 | .007619 | 6.25 | 0.000 | .0327118 | .0625776 |
| (Ancillary parameters) | | | | | | |
| _cut1 | -1.241952 | .0952781 | | | | |
| _cut2 | -.2135977 | .094381 | | | | |
| _cut3 | .390235 | .0947089 | | | | |

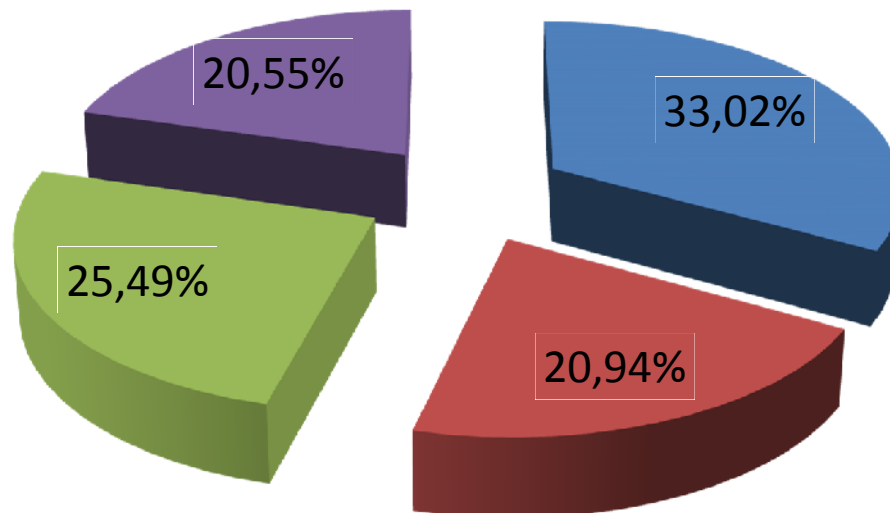
Calificación Usual vs. Reescalada

Gráfico 4
Relación entre calificación usual y calificación Ajustada

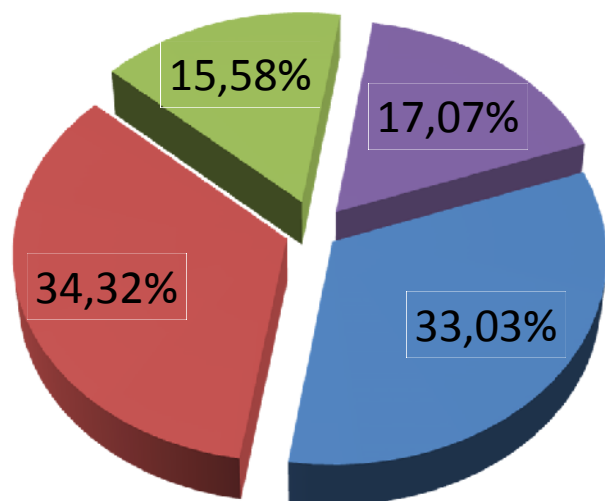


PROPUESTA

Seguridad Alimentaria con Reescalamiento



Seguridad Alimentaria



- Seg. Alimentaria
- Inseguridad Leve
- Inseguridad Moderada
- Inseguridad Severa

- Seg. Alimentaria
- Inseguridad Leve
- Inseguridad Moderada
- Inseguridad Severa

Ajuste

| | | Escala Ajustada | | | | |
|--------------|---------------------|-----------------|-----------------|---------------------|-------------------|-----------|
| | | Seguros | Inseguros Leves | Inseguros Moderados | Inseguros Severos | Total |
| Escala Usual | Seguros | 789,632 | - | - | - | 789,632 |
| | Inseguros Leves | - | 500,259 | 320,287 | - | 820,546 |
| | Inseguros Moderados | - | - | 288,943 | 83,501 | 372,444 |
| | Inseguros Severos | - | - | - | 407,990 | 407,990 |
| | Total | 789,632 | 500,259 | 609,230 | 491,491 | 2,390,612 |

| | | Escala Ajustada | | | |
|--------------|---------------------|-----------------|-----------------|---------------------|-------------------|
| | | Seguros | Inseguros Leves | Inseguros Moderados | Inseguros Severos |
| Escala Usual | Seguros | 100% | 0% | 0% | 0% |
| | Inseguros Leves | 0% | 61% | 39% | 0% |
| | Inseguros Moderados | 0% | 0% | 78% | 22% |
| | Inseguros Severos | 0% | 0% | 0% | 100% |

Temas recomendados para discusión

- Análisis del periodo de referencia (Estructural o Estacional)
- Perspectivas de Futuro
- Severidad Interna de cada pregunta