Analysis of the contributions to the SDGs of university students by degrees

Lara Ferrando | Aleix Alcácer | Atanasia Lloria | Marina Martínez-García | Belén Martínez-Serrano | Adrián Pérez-Suay | Irene Epifanio







Introduction







































The 2030 Agenda for Sustainable Development

Producido en colaboración con TROLLBÄCK + COMPANY | TheGlobalGoals@trollback.com | +1.212.529.1010

Introduction

Objective



To know the initial perception of the students about the SDGs, to implement the integration of the SDGs in a more exhaustive way in our teaching in statistics and mathematics mainly, and thus to know the previous receptivity of the students.

Methodology



Questionnaire:

- ☐ Google Forms.
- ☐ Students of UJI and UV.
- **□** 149 people.
- 8 questions.

Methodology

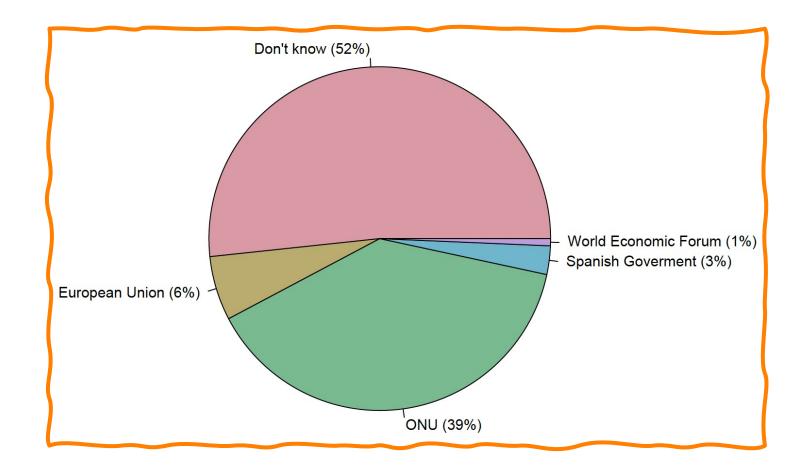
Questionnaire



- ✓ The 2030 Agenda integrates 17 sustainable development goals, which were adopted in 2015. Do you know which organism approved it?
- ✓ Rate from 0 to 10 your knowledge about the SDGs (being 0, not knowing anything, and 10 knowing a lot). (An image about SDGs appeared).
- ✓ Do you think that you can contribute to any of the SDGs with what you are studying in your degree?
- ✓ To which SDGs do you think you can contribute from your degree? (You can select multiple SDGs).
- ✓ Do you think that as a citizen you can contribute to any of the SDGs?
- ✓ To which SDGs do you think you can contribute from the citizenship?
- ✓ What degree are you studying?
- ✓ What gender do you identify with?

Answers to which organism approved the 2030





Means and standard deviations (SD) of selfperceived knowledge by degree, as well as percentage of success to the first question of the survey.



| Degree | Mean | SD | Success |
|--------------------|------|-----|---------|
| вом | 5.4 | 2.2 | 50% |
| BDIDPDE | 3.7 | 2.6 | 31% |
| восм | 3.2 | 2.9 | 33% |
| UMDARFGCS | 6.1 | 1.9 | 67% |
| BDEE and BDITE | 3.8 | 1.6 | 22% |
| BDBA, BDE and BDFA | 4.2 | 3.2 | 0% |
| BDBE | 3.6 | 2.5 | 29% |
| BDPE | 6.5 | 1 | 83% |
| UMDEP | 5.7 | 2.3 | 60% |
| BDVGDD | 3.2 | 2.8 | 17% |
| UMDCM | 2.8 | 3.6 | 60% |
| ВОРМА | 4.3 | 2.9 | 25% |
| BDT | 7 | - | 100% |
| Total | 4.3 | 2.7 | 39% |



Let us analyze which SDGs they think that can contribute from their degree.

| | SDG1 | SDG2 | SDG3 | SDG4 | SDG5 | SDG6 | SDG7 | SDG8 | SDG9 | SDG10 | SDG11 | SDG12 | SDG13 | SDG14 | SDG15 | SDG16 | SDG17 | NONE |
|-----------------------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| BDBA, BDE and BDFA | 44,44% | 22,22% | 11,11% | 55,56% | 55,56% | 33,33% | 33,33% | 88,89% | 44,44% | 33,33% | 11,11% | 33,33% | 22,22% | 0,00% | 0,00% | 33,33% | 11,11% | 0,00% |
| BDBE | 28,57% | 14,29% | 42,86% | 42,86% | 14,29% | 57,14% | 57,14% | 42,86% | 85,71% | 28,57% | 71,43% | 28,57% | 14,29% | 28,57% | 42,86% | 14,29% | 14,29% | 0,00% |
| BDVGDD | 0,00% | 0,00% | 66,67% | 66,67% | 66,67% | 0,00% | 0,00% | 50,00% | 33,33% | 16,67% | 0,00% | 33,33% | 16,67% | 33,33% | 33,33% | 66,67% | 0,00% | 0,00% |
| BDPMA | 50,00% | 25,00% | 25,00% | 50,00% | 50,00% | 0,00% | 25,00% | 50,00% | 0,00% | 50,00% | 25,00% | 25,00% | 25,00% | 25,00% | 25,00% | 50,00% | 75,00% | 25,00% |
| BDIDPDE | 13,79% | 0,00% | 27,59% | 10,34% | 17,24% | 41,38% | 44,83% | 37,93% | 82,76% | 20,69% | 44,83% | 65,52% | 34,48% | 27,59% | 17,24% | 10,34% | 3,45% | 0,00% |
| BDCM | 16,67% | 12,50% | 25,00% | 62,50% | 58,33% | 16,67% | 37,50% | 75,00% | 54,17% | 29,17% | 25,00% | 25,00% | 33,33% | 20,83% | 20,83% | 41,67% | 20,83% | 0,00% |
| BDM | 11,76% | 14,71% | 97,06% | 32,35% | 50,00% | 14,71% | 5,88% | 8,82% | 5,88% | 26,47% | 8,82% | 11,76% | 14,71% | 11,76% | 8,82% | 32,35% | 5,88% | 0,00% |
| BDPE | 0,00% | 0,00% | 66,67% | 100,00% | 100,00% | 0,00% | 0,00% | 0,00% | 0,00% | 16,67% | 50,00% | 16,67% | 50,00% | 16,67% | 33,33% | 83,33% | 0,00% | 0,00% |
| UMDARFGCS | 44,44% | 11,11% | 33,33% | 88,89% | 100,00% | 0,00% | 0,00% | 77,78% | 11,11% | 66,67% | 66,67% | 22,22% | 11,11% | 11,11% | 11,11% | 88,89% | 33,33% | 0,00% |
| UMDCM | 0,00% | 20,00% | 40,00% | 0,00% | 40,00% | 20,00% | 40,00% | 60,00% | 40,00% | 20,00% | 0,00% | 20,00% | 0,00% | 20,00% | 20,00% | 20,00% | 20,00% | 0,00% |
| UMDEP | 0,00% | 0,00% | 16,67% | 83,33% | 83,33% | 0,00% | 0,00% | 50,00% | 16,67% | 50,00% | 33,33% | 33,33% | 16,67% | 0,00% | 16,67% | 66,67% | 0,00% | 0,00% |
| BDEE and BDITE | 55,56% | 22,22% | 33,33% | 0,00% | 11,11% | 55,56% | 100,00% | 33,33% | 77,78% | 0,00% | 33,33% | 66,67% | 55,56% | 44,44% | 55,56% | 11,11% | 11,11% | 0,00% |
| BDT | 0,00% | 0,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 0,00% |



Let us analyze which SDGs they think that can contribute from their citizenship.

| | SDG1 | SDG2 | SDG3 | SDG4 | SDG5 | SDG6 | SDG7 | SDG8 | SDG9 | SDG10 | SDG11 | SDG12 | SDG13 | SDG14 | SDG15 | SDG16 | SDG17 | NONE |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| BDBA, BDE and BDFA | 11,11% | 11,11% | 33,33% | 33,33% | 88,89% | 22,22% | 11,11% | 22,22% | 0,00% | 11,11% | 33,33% | 11,11% | 55,56% | 77,78% | 66,67% | 55,56% | 0,00% | 0,00% |
| BDBE | 28,57% | 14,29% | 42,86% | 42,86% | 71,43% | 14,29% | 14,29% | 42,86% | 14,29% | 57,14% | 85,71% | 42,86% | 57,14% | 57,14% | 28,57% | 85,71% | 14,29% | 0,00% |
| BDVGDD | 33,33% | 33,33% | 66,67% | 66,67% | 66,67% | 0,00% | 16,67% | 50,00% | 16,67% | 33,33% | 50,00% | 50,00% | 33,33% | 83,33% | 66,67% | 66,67% | 16,67% | 0,00% |
| BDPMA | 25,00% | 25,00% | 50,00% | 25,00% | 75,00% | 0,00% | 25,00% | 25,00% | 25,00% | 25,00% | 50,00% | 25,00% | 75,00% | 25,00% | 25,00% | 50,00% | 25,00% | 0,00% |
| BDIDPDE | 20,69% | 20,69% | 44,83% | 20,69% | 65,52% | 10,34% | 6,90% | 17,24% | 13,79% | 20,69% | 31,03% | 31,03% | 41,38% | 41,38% | 24,14% | 65,52% | 10,34% | 0,00% |
| BDCM | 20,83% | 25,00% | 70,83% | 45,83% | 75,00% | 16,67% | 12,50% | 33,33% | 8,33% | 33,33% | 62,50% | 41,67% | 54,17% | 58,33% | 41,67% | 54,17% | 25,00% | 4,17% |
| BDM | 20,59% | 23,53% | 55,88% | 38,24% | 88,24% | 14,71% | 11,76% | 20,59% | 8,82% | 38,24% | 76,47% | 41,18% | 61,76% | 70,59% | 47,06% | 70,59% | 11,76% | 0,00% |
| BDPE | 16,67% | 16,67% | 66,67% | 66,67% | 83,33% | 33,33% | 33,33% | 33,33% | 33,33% | 33,33% | 50,00% | 50,00% | 83,33% | 83,33% | 83,33% | 66,67% | 0,00% | 0,00% |
| UMDARFGCS | 33,33% | 33,33% | 55,56% | 88,89% | 66,67% | 33,33% | 22,22% | 44,44% | 33,33% | 55,56% | 55,56% | 77,78% | 44,44% | 77,78% | 55,56% | 100,00% | 22,22% | 0,00% |
| UMDCM | 40,00% | 20,00% | 20,00% | 40,00% | 40,00% | 0,00% | 20,00% | 20,00% | 0,00% | 0,00% | 60,00% | 40,00% | 60,00% | 60,00% | 20,00% | 40,00% | 20,00% | 20,00% |
| UMDEP | 16,67% | 33,33% | 66,67% | 33,33% | 83,33% | 50,00% | 33,33% | 16,67% | 33,33% | 33,33% | 50,00% | 16,67% | 66,67% | 66,67% | 50,00% | 83,33% | 16,67% | 0,00% |
| BDEE and BDITE | 11,11% | 0,00% | 44,44% | 22,22% | 44,44% | 11,11% | 22,22% | 0,00% | 0,00% | 11,11% | 33,33% | 22,22% | 33,33% | 33,33% | 11,11% | 33,33% | 11,11% | 11,11% |
| BDT | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 100,00% | 0,00% |

Discussion and Conclusions



- We have detected that only 40% know that the UN was the organism that approved the 2030 Agenda.
- The self-perception of knowledge about the SDGs varies according to the degrees, although in general it is low.
- The mean (with ratings between 0 and 10) was 4.35.
- The highest self-assessments occur in humanistic degrees, where the highest percentage of success is also given to the first question.
- The lowest self-assessments occur in engineering degrees, and coincide with low percentages of success to the first question.

Discussion and Conclusions



- In Medicine the ratings and percentages of success are about 5 and 50%, respectively.
- In the economics degrees, the perceptions are close to the global average (4.2 on average), but on the other hand, nobody responded to the first question correctly.
- About 96% think that both from their degree and from the citizenship they can contribute to the SDGs.
- The goal where they think they can contribute the most from both aspects is that of gender equality.

Thank you for your attention

