



Escuela Superior Politécnica Del Litoral
Faculty of Electrical and Computer Engineering
Alumni follow-up report 2016 period
Telematics Engineering

1. INTRODUCTION

According to the requirements established to conduct surveys to graduates, coordination of alumni follow-up and graduates proceeded to make the statistical analysis of survey variables monitoring professionals who finished your courses flowchart 2016, the same as It was delivered by CEPROEM. The survey was conducted to graduates in 2016.

A group of graduates was asked to fill out the survey, but only seven of them responded.

Observation:

The form used to graduates follow and graduates contained 60 questions from them we can extract relevant information such as:

- ESPOL learning experiences
- Current status of the person: working or not
- Relationship between career and current employment
- Salary range you receive
- The level of language obtained in their studies is useful in their profession
- Bussiness sector in which you work
- Interests in a postgraduate
- How career studies have impacted your professional life
- Essential suggestions for continuous improvement by graduates

2. DATA ANALYSIS

Next, the evaluation of the results of the survey, based on the Educational Objectives and Learning Outcomes for the career of Engineering in Telematics of the graduates of the year 2016:

A) **Evaluation of Educational Objectives and Learning Outcomes**

The graduates evaluated the contribution of ESPOL in the development of their skills and attributes, the results are:

1. According to (Q6) graphics it is obtained that 57.14% graduates are VERY SATISFIED to be able to understand the ethical and professional responsibility, while the 42.86% are SATISFIED:

The 57.14% are VERY SATISFIED to acquire the ability to work as part of a multidisciplinary team. Likewise, 57.14% of graduates find the acquired ability to communicate in Spanish orally and in writing VERY SATISFIED.

The 28.57% of graduates are VERY SATISFIED to have obtained the ability to communicate in English, while 57.14% are SATISFIED.

The 14.29% of graduates are UNSATISFIED of the result of recognizing the need and having the skills to undertake, which indicates that this is the weakest point because of learning.

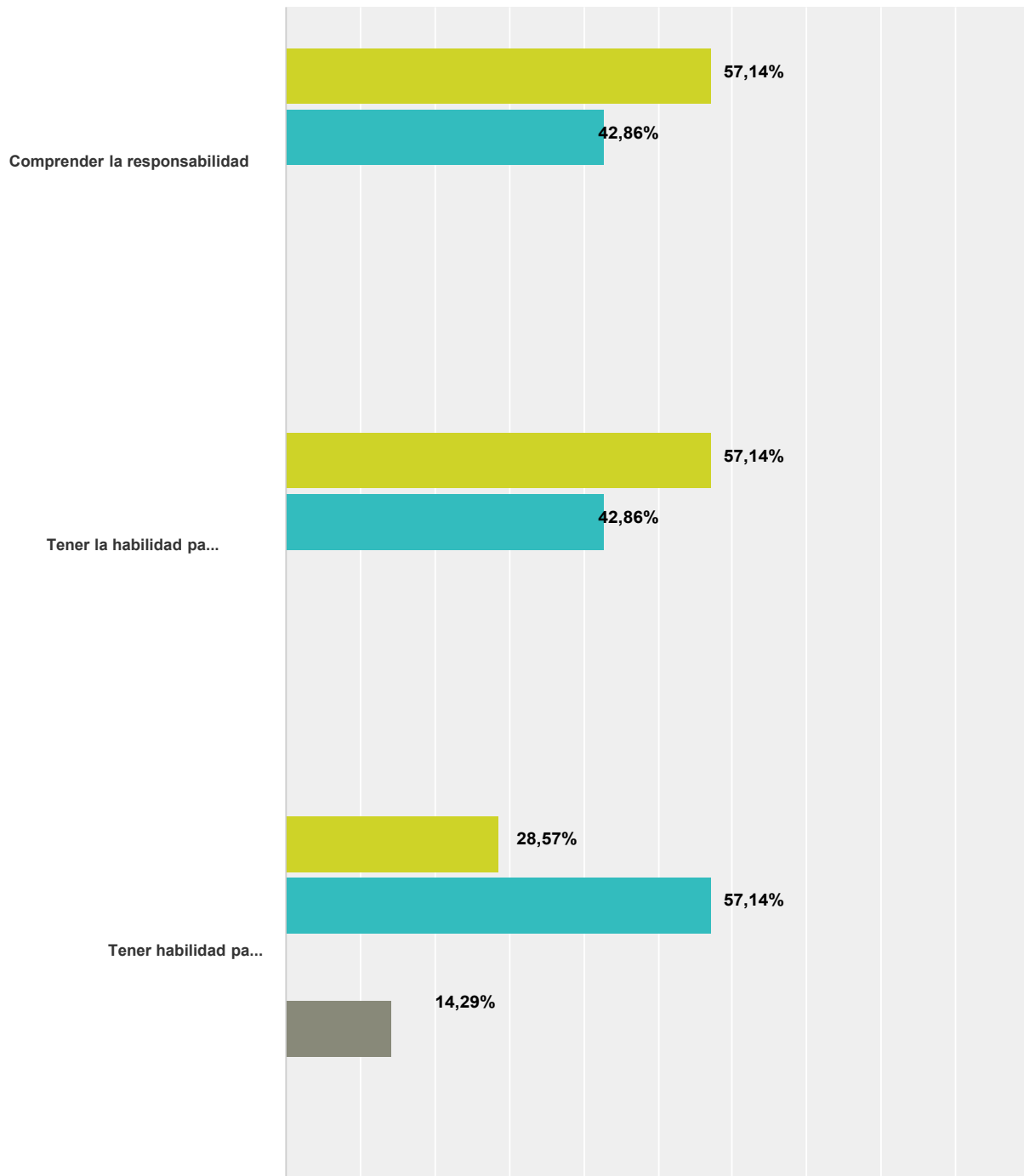
2. With respect to the learning of foreign languages, in (Q7) it can be seen that 57.14% of the alumni affirm that ESPOL SI influenced the learning of different languages, while 42.86% agree that ESPOL did not influence this learning.

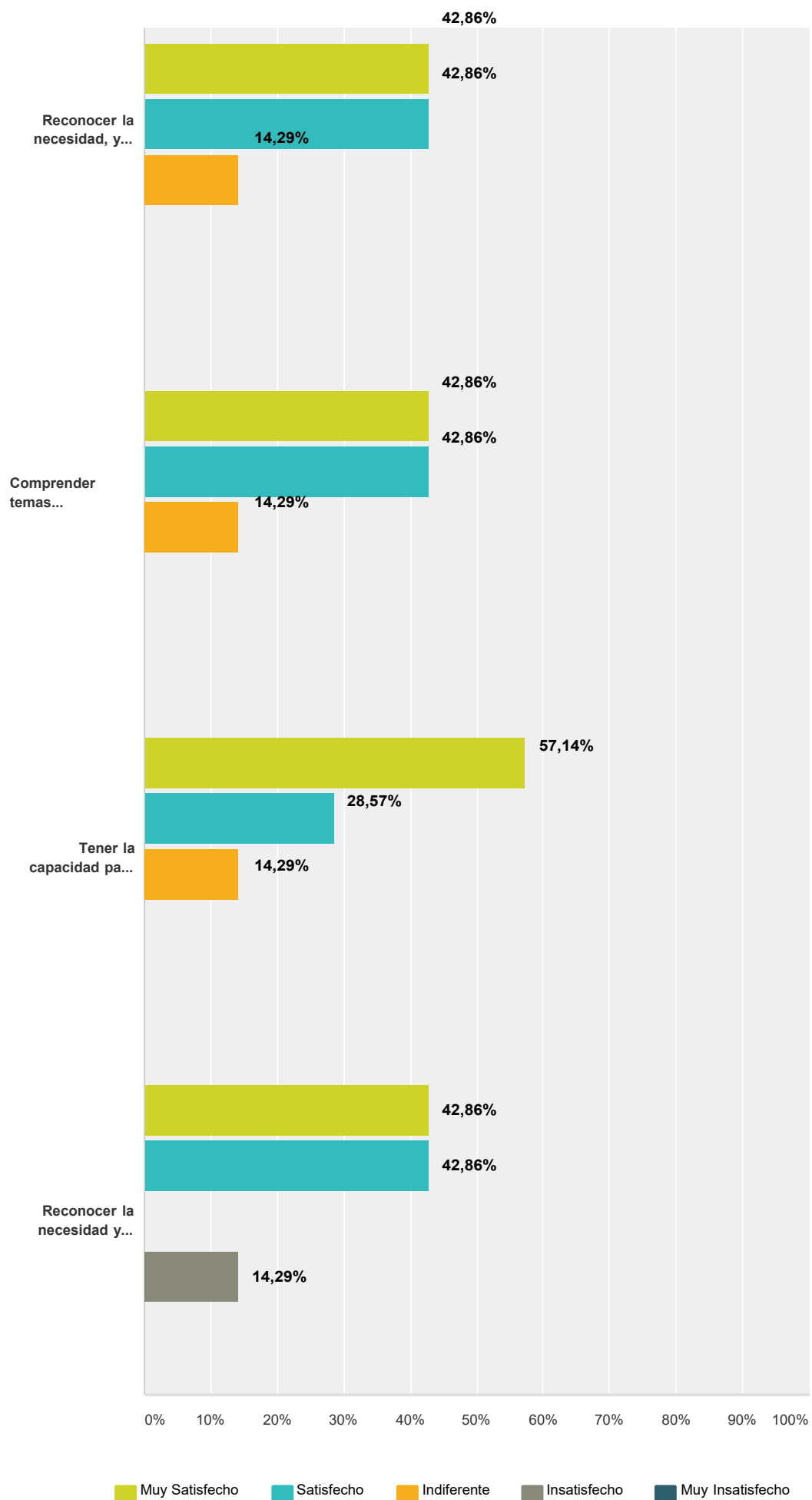
In the English language, 71.43% of the alumni qualify as a MEDIUM level their speaking skills in English, while 28.57% consider that they are HIGH. Regarding their competence to listen, 57.14% of students recognize that their level is MEDIUM and 42.86% affirm that it is HIGH. In the reading competence, a high percentage, exactly 85.71% is qualified with a HIGH level and only 14.29% qualifies as MEDIUM. Finally, regarding the level of writing competence, 57.14% consider it MEDIUM and 42.86% affirm that it is HIGH. (Q8)

Regarding the French foreign language, 50% of the alumni think that their spoken level is LOW and the other 50% N / A, with respect to their listening competence, 16.67% think that their level is LOW, 16.67% that is MEDIUM and 66.67% N / A. In their reading competence, 16.67% of alumni believe that their level is HIGH, 16.67% say they are LOW and 66.67% N / A and finally in their writing competence 33.33% say it is LOW and 66.67% N / A. (Q8)

Q6 Resultados de Aprendizaje Institucionales (RAI) (aprobados por el Consejo Politécnico)

Respondido: 7 Omitido: 0

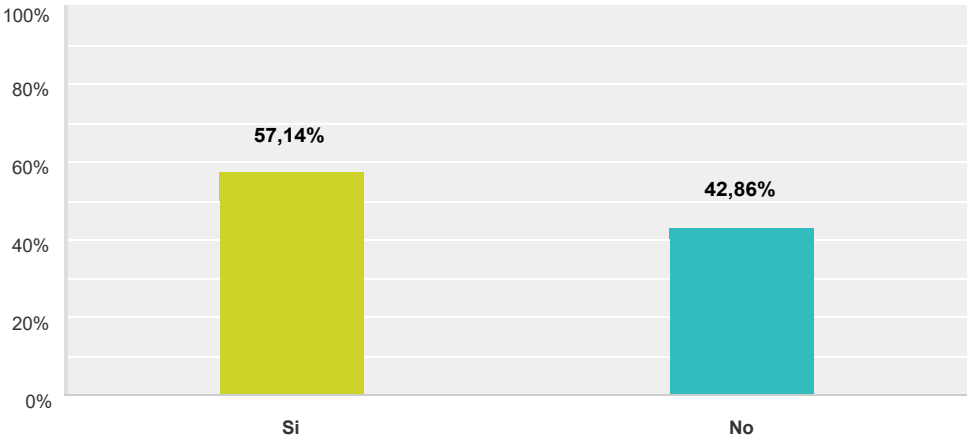




	Muy Satisfecho	Satisfecho	Indiferente	Insatisfecho	Muy Insatisfecho	Total	Promedio ponderado
Comprender la responsabilidad ética y profesional	4 57,14%	3 42,86%	0 0,00%	0 0,00%	0 0,00%	7	1,43
Tener la habilidad para comunicarse efectivamente de forma oral y escrita en español	4 57,14%	3 42,86%	0 0,00%	0 0,00%	0 0,00%	7	1,43
Tener habilidad para comunicarse en inglés	2 28,57%	4 57,14%	0 0,00%	1 14,29%	0 0,00%	7	2,00
Reconocer la necesidad, y tener la habilidad para involucrarse en el aprendizaje a lo largo de la vida	3 42,86%	3 42,86%	1 14,29%	0 0,00%	0 0,00%	7	1,71
Comprender temas contemporáneos	3 42,86%	3 42,86%	1 14,29%	0 0,00%	0 0,00%	7	1,71
Tener la capacidad para trabajar como parte de un equipo multidisciplinario	4 57,14%	2 28,57%	1 14,29%	0 0,00%	0 0,00%	7	1,57
Reconocer la necesidad y tener las habilidades para emprender	3 42,86%	3 42,86%	0 0,00%	1 14,29%	0 0,00%	7	1,86

Q7 ¿La ESPOL influyó en el aprendizaje de idiomas extranjeros?

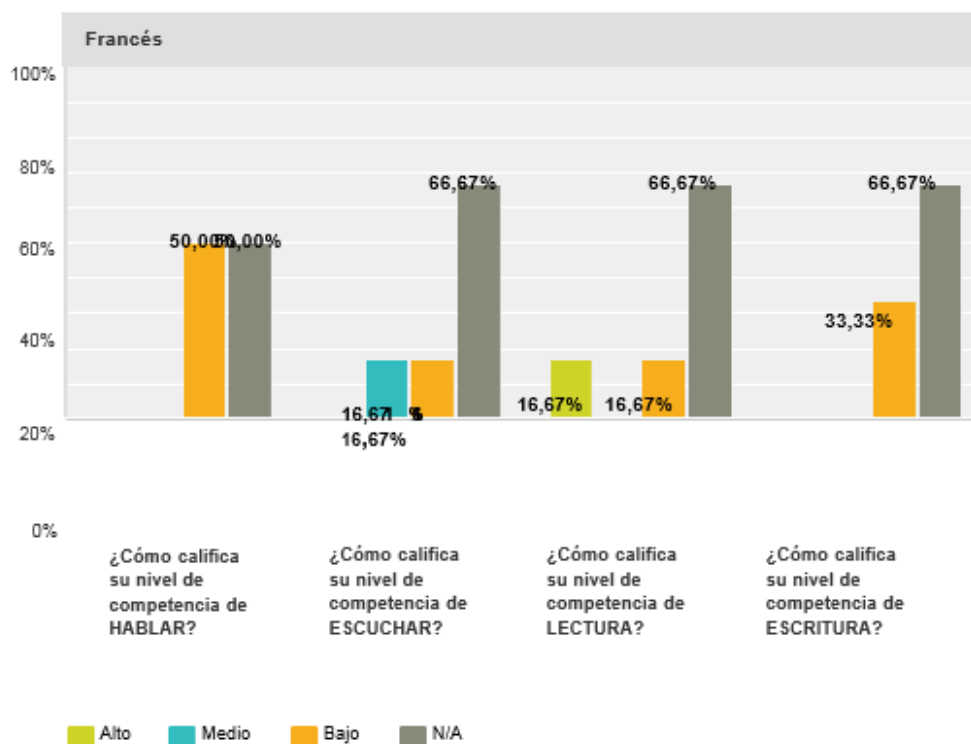
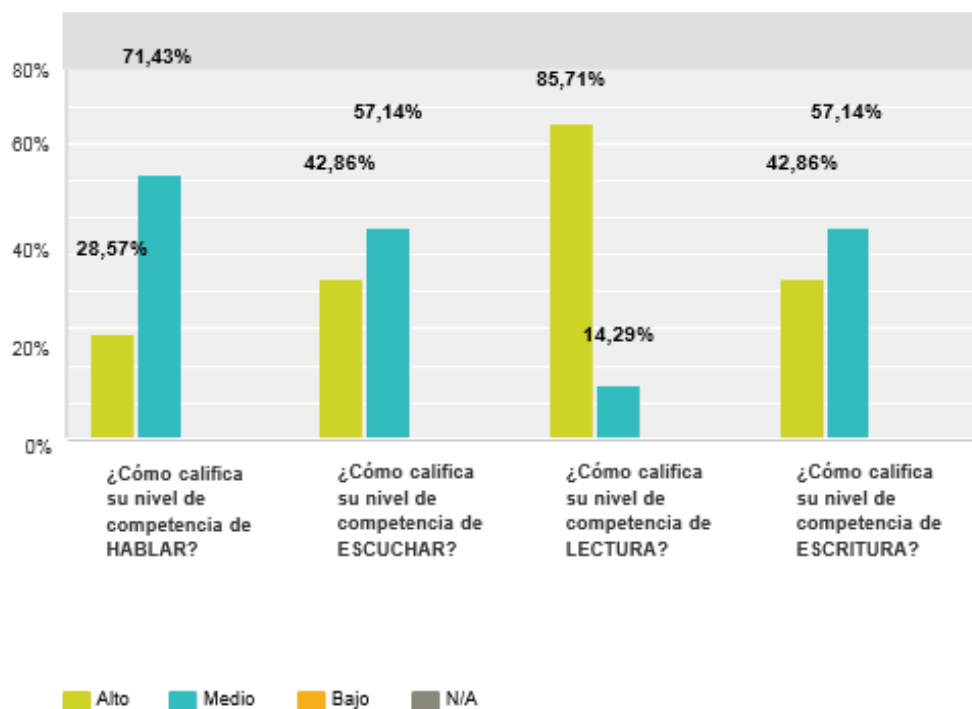
Respondido: 7 Omitido: 0



Q8 Nivel de Idioma que ha estudiado

Respondido: 7 Omitido: 0

Inglés



B) Results about the employment situation

In the results observed in (Q9), 100% of alumni plan to work in the country, 28.57% wish to work outside the country, 14.29% are thinking of studying a postgraduate course in Ecuador, 59.14 plan to study a graduate degree in abroad, and finally 28.57% are aimed at creating an enterprise.

In the graph (Q10), 71.43% of the alumni indicate that they are working, 14.29% are looking for a job, and 14.29% are doing trades at home. The graduates indicate in (Q14) that in the activity in which they are found 66.67% are employees of a private company, while 33.33% are independent workers.

In (Q15) it can be seen that 75% of graduates indicate that current employment is the first as dependent work, while 25% have already had previous jobs. With regard to the search channel to get this job, 50% of graduates used social networks, 25% through CEPROEM and 25% thanks to various job boards.

The type of link that the alumni have with the respective companies is a 100% work contract. (Q17)

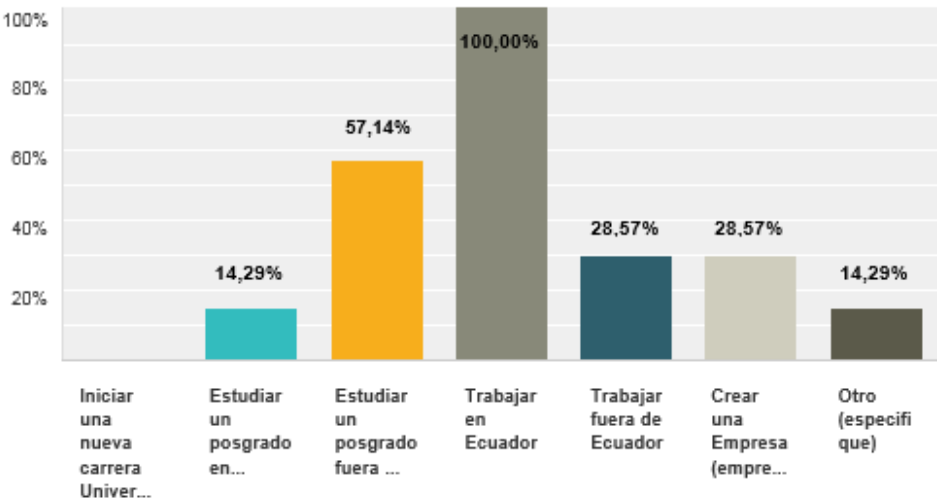
In (Q26) the alumni indicate that the scope of the activities of the company where they work is local by 25%, national by 50% and multinational by 25%.

Regarding labor income per month, 75% of alumni indicate that they obtain between \$ 367.00 and \$ 700.00, while 25% indicate that they obtain between \$ 1001.00 and \$ 1500.00.

With respect to alumni who have independent jobs, in (Q29) they indicate the different forms of work they perform on their own where 100% indicate that they perform services, as well as work by work or product and 50% do work by commission.

Q9 ¿Qué ha pensado hacer en el corto plazo? (múltiples respuestas)

Respondido: 7 Omitido: 0

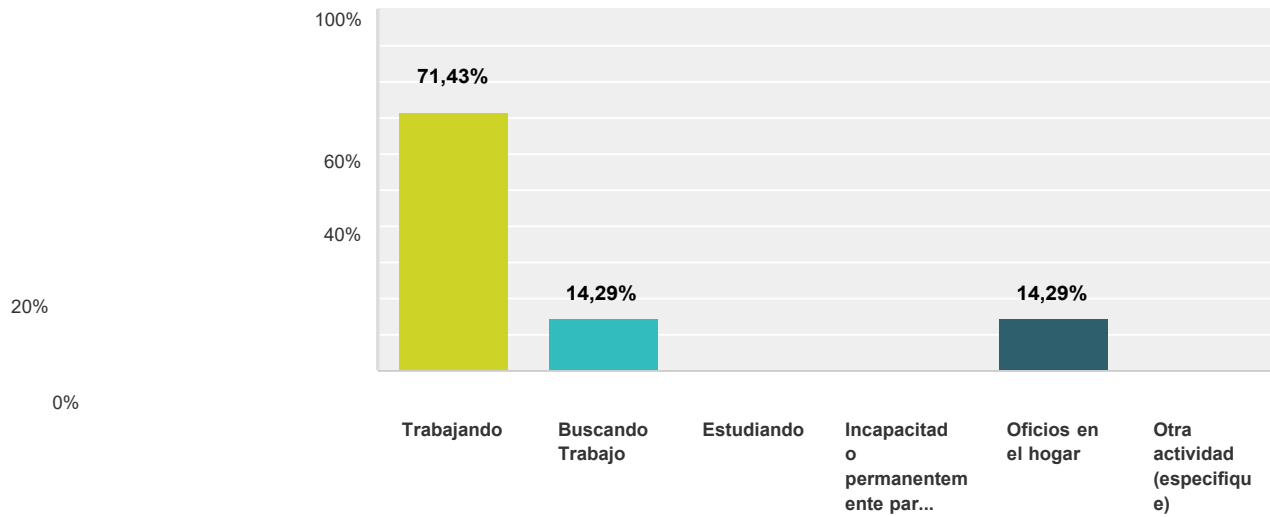


Opciones de respuesta	Respuestas	
Iniciar una nueva carrera universitaria	0,00%	0
Estudiar un posgrado en Ecuador	14,29%	1
Estudiar un posgrado fuera de Ecuador	57,14%	4
Trabajar en Ecuador	100,00%	7
Trabajar fuera de Ecuador	28,57%	2
Crear una Empresa (emprendimiento)	28,57%	2
Otro (especifique)	14,29%	1
Total de encuestados: 7		

n.º	Otro (especifique)	Fecha
1	Emprender proyectos de tecnología	10/08/2016 18:37

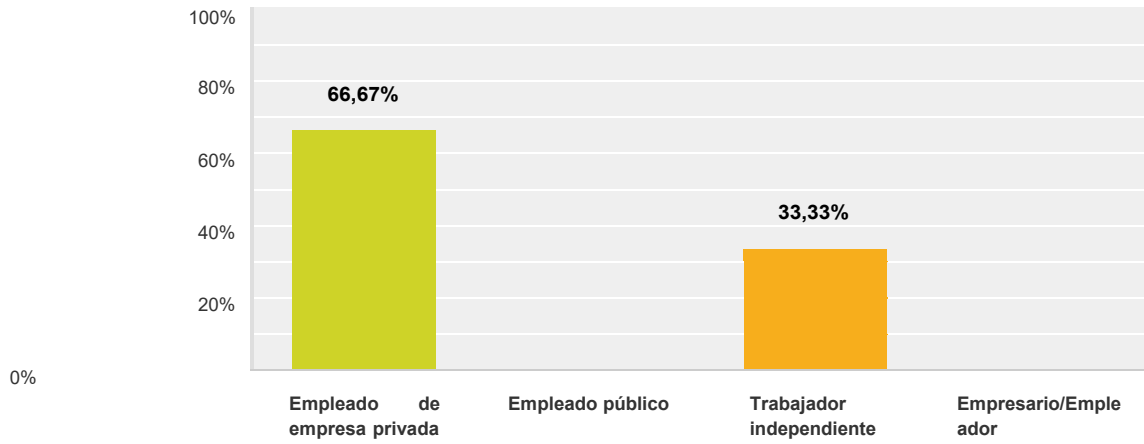
Q10 Actualmente, ¿en qué actividad ocupa la mayor parte de su tiempo? (una respuesta)

Respondido: 7 Omitido: 0



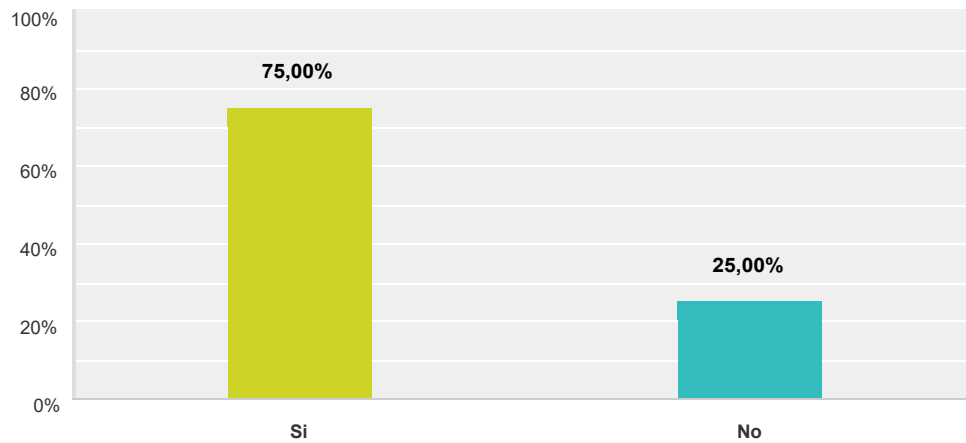
Q14 En esta actividad usted es: (una respuesta)

Respondido: 6 Omitido: 1

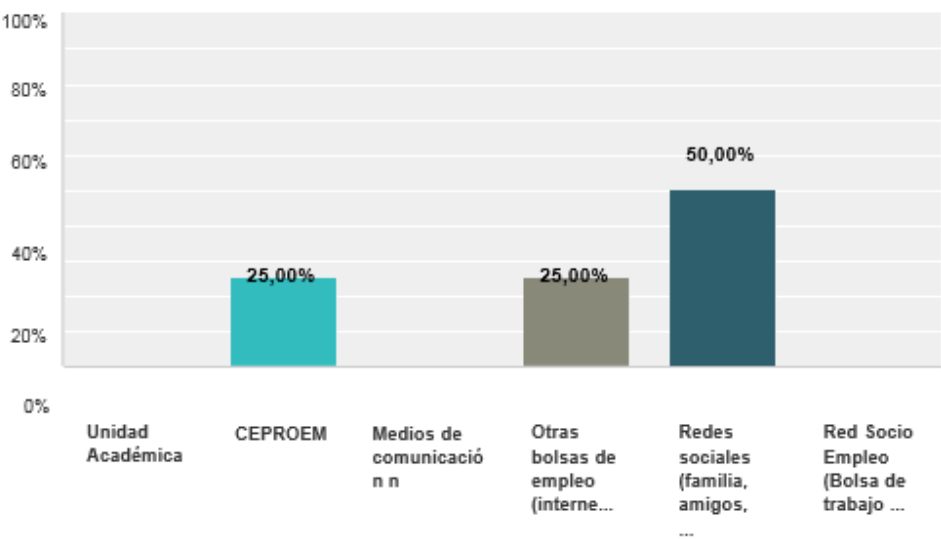


Q15 ¿Es este su primer empleo? (Trabajo Dependiente)

Respondido: 4 Omitido: 3



Q16 ¿Qué canal de búsqueda le permitió conseguir el trabajo actual?



Opciones de respuesta	Respuestas	
Unidad Académica	0,00%	0
CEPROEM	25,00%	1
Medios de comunicación	0,00%	0
Otras bolsas de empleo (internet, head hunters)	25,00%	1
Redes sociales (familia, amigos, conocidos)	50,00%	2
Red Socio Empleo (Bolsa de trabajo del gobierno)	0,00%	0
Total		4

Respondido: 4 Omitido: 3

Q17 ¿Qué tipo de vinculación tiene con esta empresa o institución?

Respondido: 4 Omitido: 3

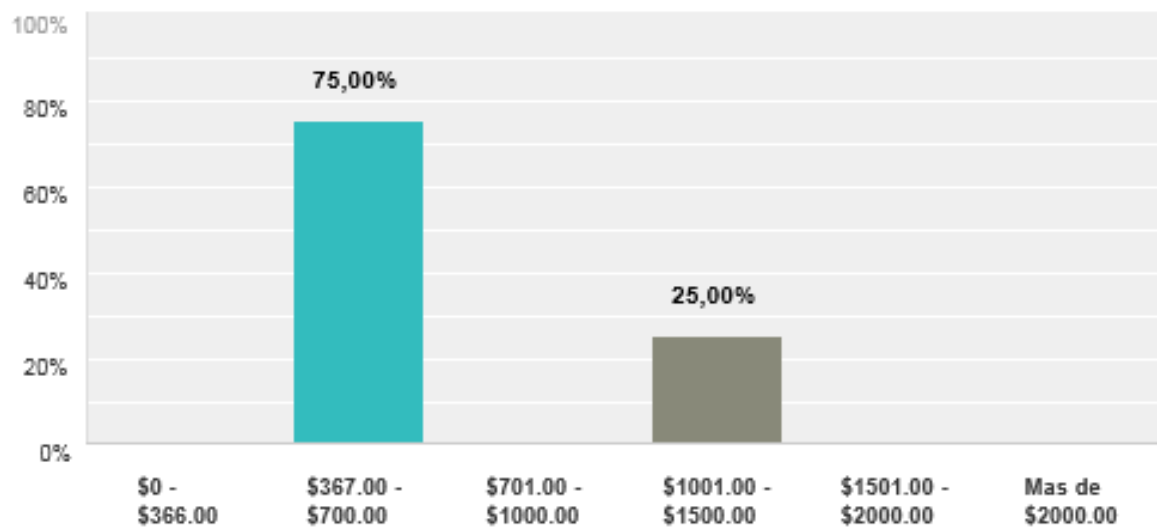


Opciones de respuesta	Respuestas	
Contrato de trabajo	100,00%	4
Contrato de servicios ocasionales	0,00%	0
Contrato de servicios técnicos especializados	0,00%	0
Nombramiento en el sector público	0,00%	0
Otro (especifique)	0,00%	0
Total	4	

n.º	Otro (especifique)	Fecha
	No hay respuestas.	

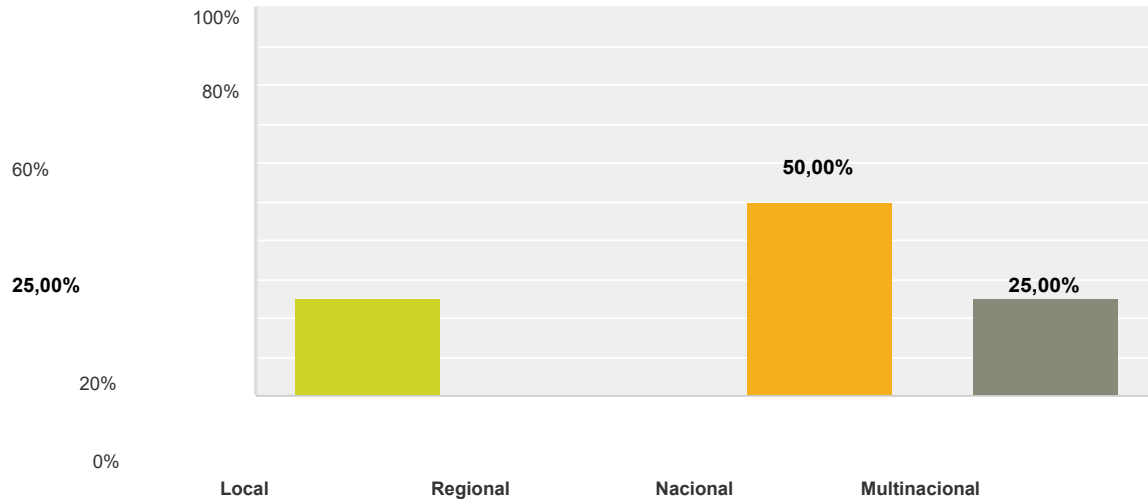
Q25 ¿Cuál fue su ingreso laboral en el mes pasado? (Incluya propinas y comisiones. No incluya horas extras, viáticos, ni ayudas en especie)

Respondido: 4 Omitido: 3



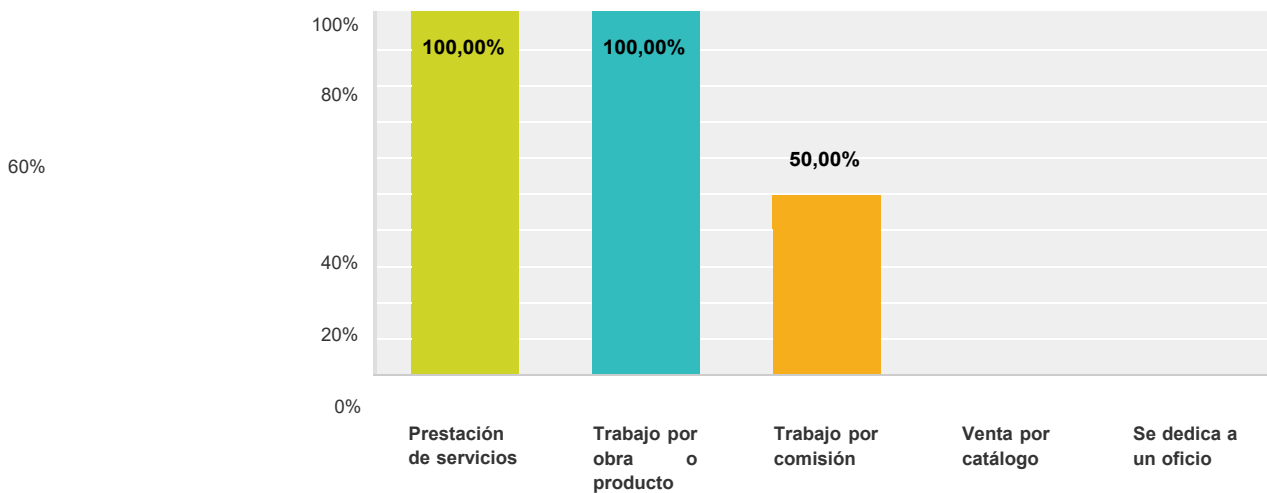
Q26 ¿Cómo clasificaría el ámbito de las actividades de la empresa o institución donde labora? (una respuesta)

Respondido: 4 Omitido: 3



Q29 ¿Cuál de las siguientes formas de trabajo realiza en las actividades que desempeña por su cuenta? (múltiples respuestas)

Respondido: 2 Omitido: 5



c) **According to the difficulties and satisfactions of your work and the university.**

1. The data obtained in (Q41) indicate that 50% of the graduates find the knowledge, skills and abilities acquired in their career VERY USEFUL, and the other 50% find them USEFUL.

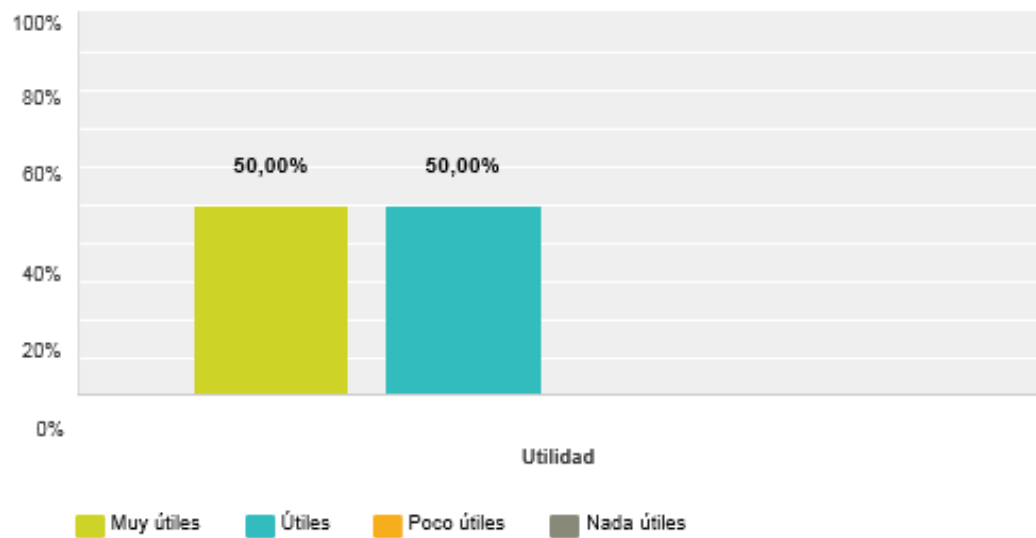
In (Q42) 66.67% of the graduates indicate that the current job is contributing to their development and personal growth, while 33.33% indicate that they do not.

As for the satisfaction of the work in which they find themselves, 16.67% indicate that they are VERY SATISFIED, 50% SATISFIED and 16.67% UNSATISFIED, while 16.67% find them INDIFFERENT. (Q43)

2. With regard to the difficulties to get a job according to the graph (Q47), 100% OF THE STUDENTS AGREE that the main difficulties are not finding the right job for their job, lacking the necessary experience, employers see it very young, the salary offered is very low.

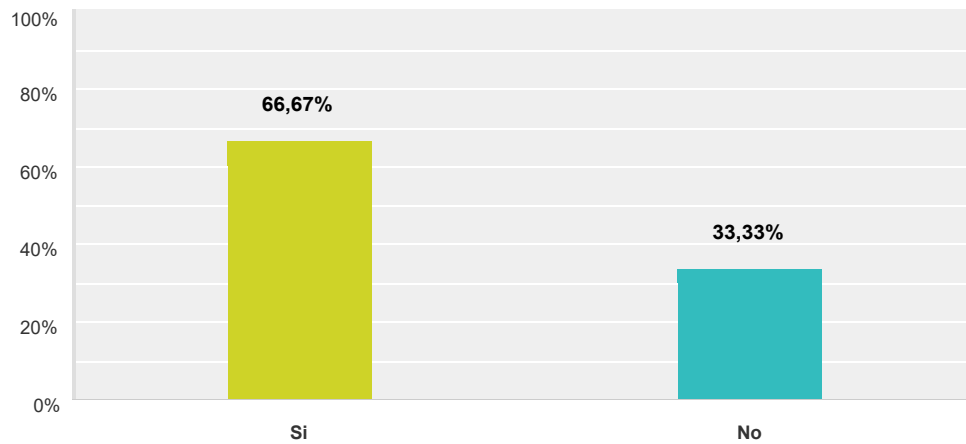
Q41 ¿Qué tan útiles han sido en su trabajo los conocimientos, habilidades y destrezas aprendidas en su carrera?

Respondido: 6 Omitido: 1



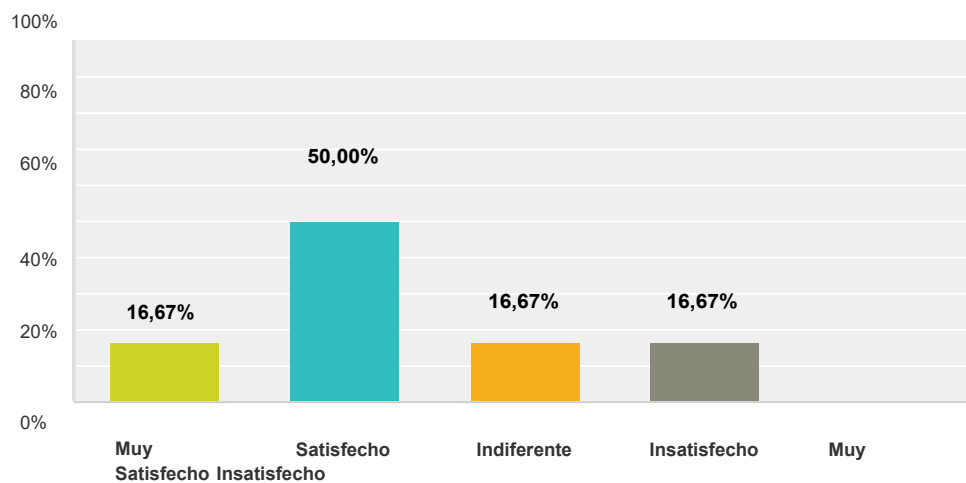
Q42 ¿Su trabajo actual está contribuyendo a su desarrollo y crecimiento personal?

Respondido: 6 Omitido: 1



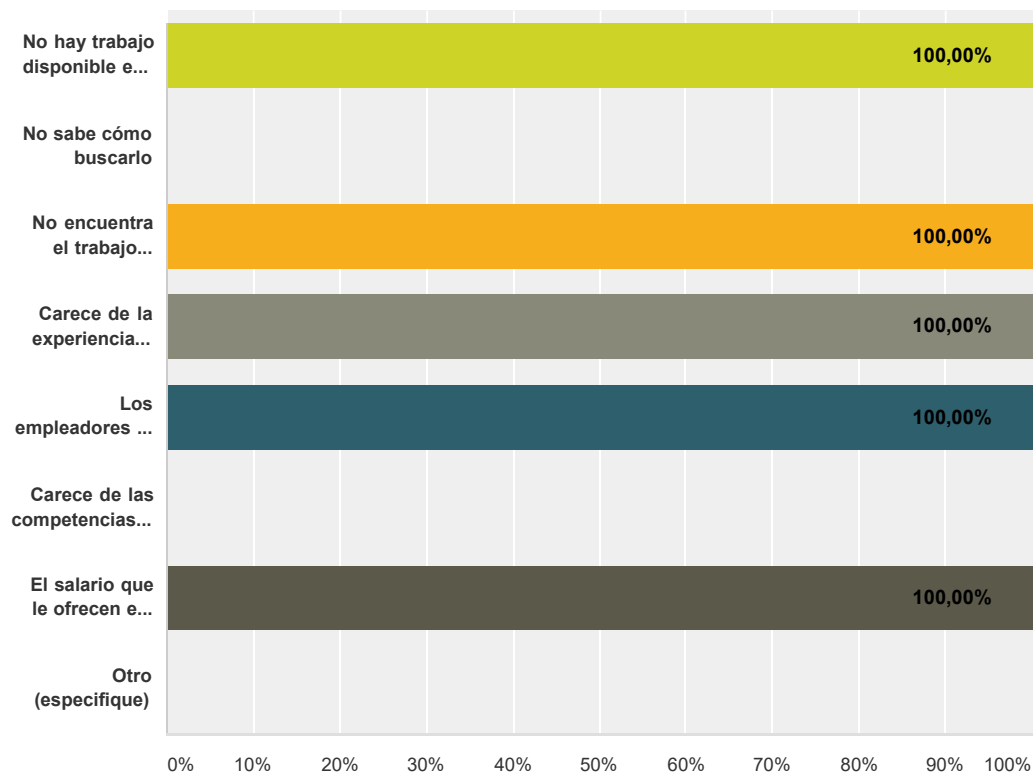
Q43 ¿Cómo calificaría su satisfacción con el trabajo actual?

Respondido: 6 Omitido: 1



Q47 ¿Cuál(es) considera es(son) la(s) principal(es) dificultad(es) a la hora de conseguir el trabajo que busca? (múltiples respuestas)

Respondido: 1 Omitido: 6



Opciones de respuesta	Respuestas	
No hay trabajo disponible en la ciudad donde vive	100,00%	1
No sabe cómo buscarlo	0,00%	0
No encuentra el trabajo apropiado en su oficio o profesión	100,00%	1
Carece de la experiencia necesaria	100,00%	1
Los empleadores lo ven muy joven	100,00%	1
Carece de las competencias requeridas	0,00%	0
El salario que le ofrecen es muy bajo	100,00%	1
Otro (especifique)	0,00%	0
Total de encuestados: 1		

n.º	Otro (especifique)	Fecha
	No hay respuestas.	