



ACADEMIA DE CÓDIGO



What Most Schools Don't Teach

<http://youtu.be/nKlu9yen5nc>

<PROBLEM_>



300_k
2014



4.5 millions
2020

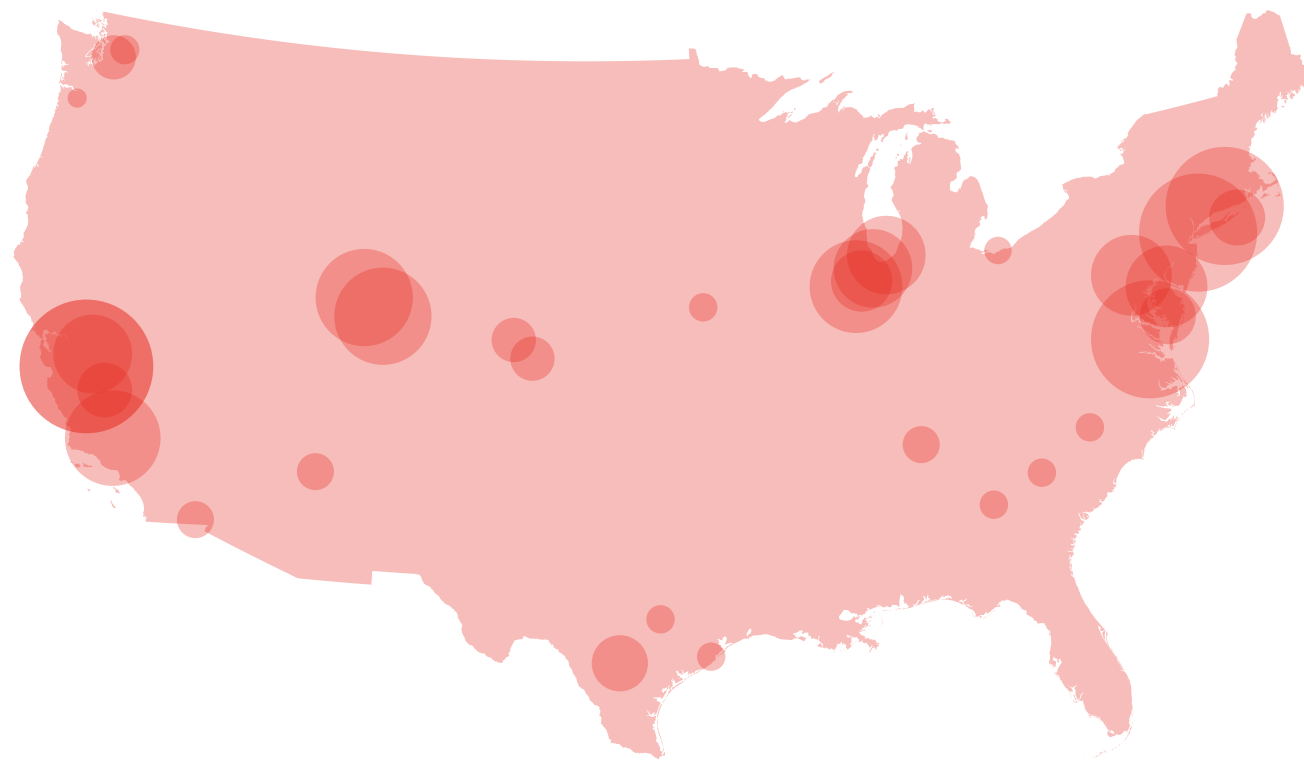


IN 2020
there will be needed **+4.2 MILLION**
Developers

<THE GROWTH OF PROGRAMMING AND CODING BOOTCAMPS IN THE USA>



<http://www.thinkful.com/bootcamps/infographic>



2.178

Trainees in 2013

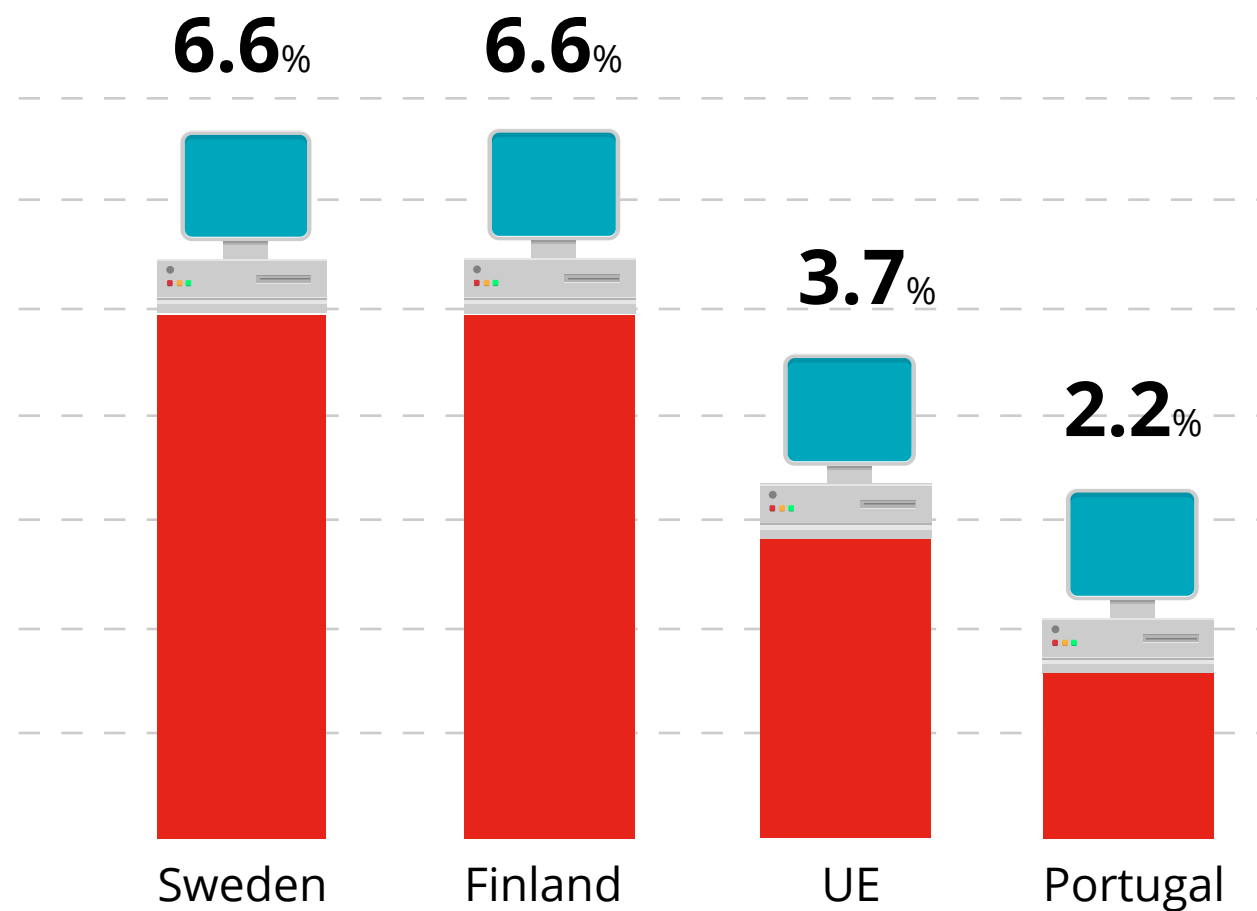
5.987

Trainees in 2014

175%

Estimated growth (%)

Jobs (by economic activity)



170_k

We need 170,000 IT jobs to reach the level of Scandinavian countries.



692,6_k

Unemployed
in Portugal



123,3_k

Unemployed
aged 15-34



119,4_k

Unemployed
University grads



900_k

Digital jobs to be filled in Europe in 2020



75_k

Potential jobs for Portugal to reach EU average



0

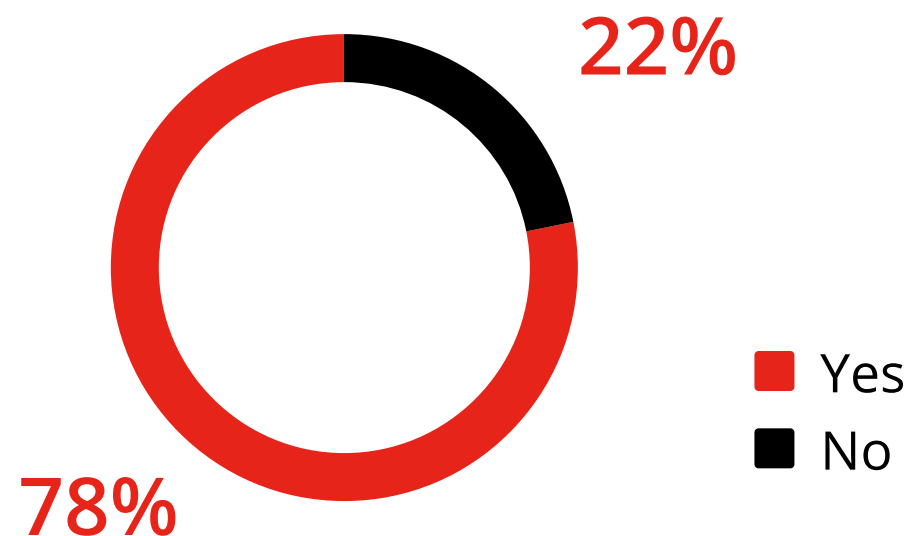
Registered in job centres

<PORTUGUESE MARKET NEEDS>

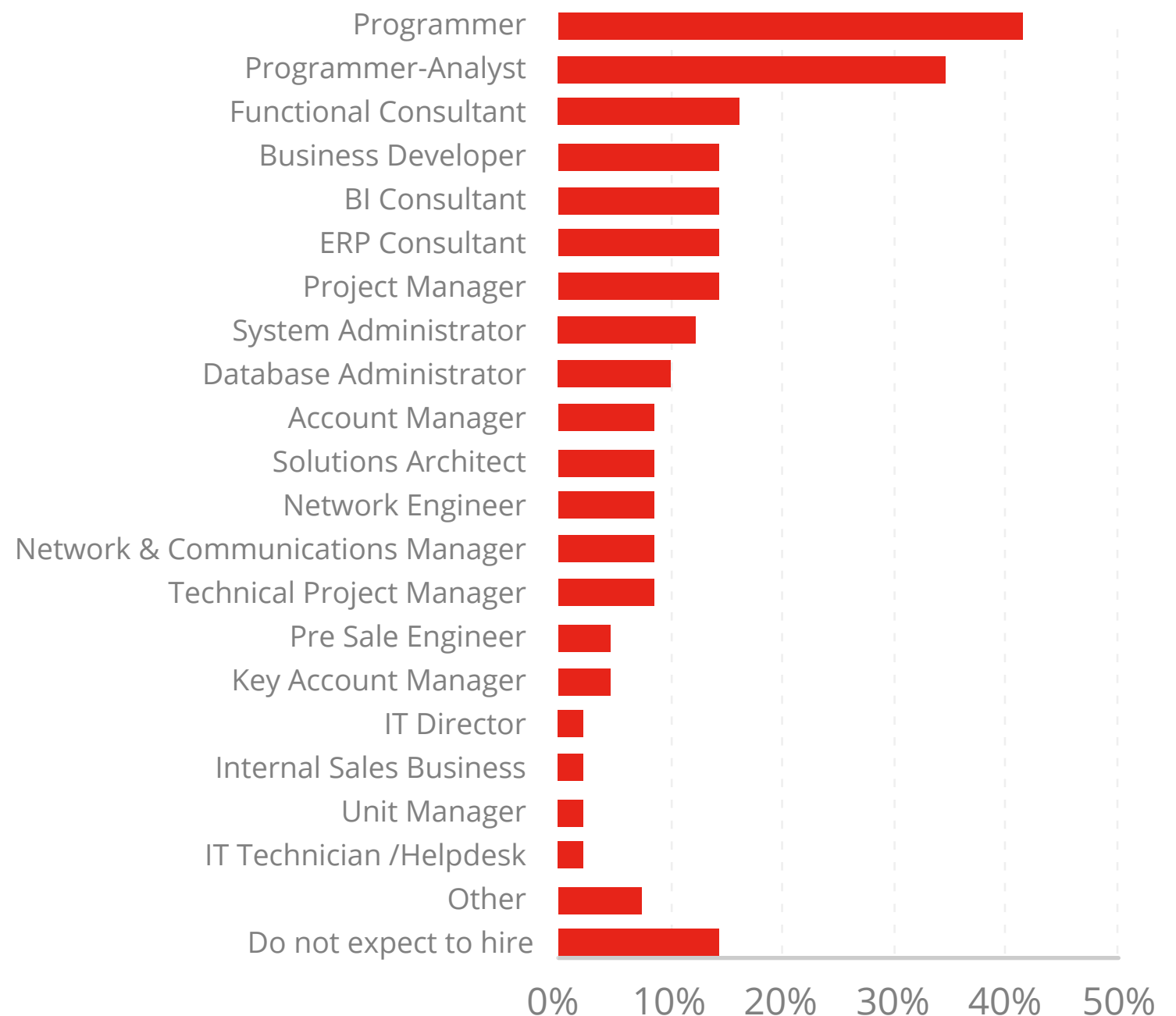


Portuguese companies who consider there is a shortage of qualified IT professionals in the market.

Survey carried out among 70 IT companies operating in Portugal.



Projected recruitment in 2013:



Source: Hays Study (Working in IT in Portugal), 2013.

http://hays.pt/cs/groups/hays_common/@pt/@content/documents/digitalasset/hays_772063.pdf

<PORTUGUESE EDUCATION NEEDS_>








2012



2013



2014 / 900

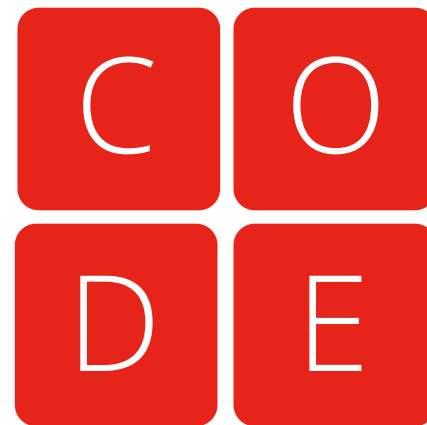
Subject		1st option candidates	% 1st option candidates
Health		7874	17,7%
Business		6687	15,8%
Engineering and similar		5503	13,0%
Social Sciences		4720	11,1%
IT		201	0,5%

IN A SAMPLE OF 40.000 HIGHER EDUCATION CANDIDATES

Source: DGES 2014 http://www.dges.mctes.pt/coloc/2014/nota_cna14_1f_1.pdf

http://www.sg.mj.pt/sections/recursos-humanos/area-reservada/ficheiros/cnaef-tabela-de-codigos/downloadFile/file/CNAEF_tabela_de_codigos.pdf

<THE GOOD NEWS_>



CODE.ORG

<WHAT WE WANT TO DO_>



1 Retrain unemployed Portuguese University graduates until 2020.

2 Generalize programming and technology training in schools.

3 Internationalize.



ACADEMIADE**CÓDIGO**

Placement

Integration of 10.000 unemployed graduates in the IT job market until 2020.

Abilities

Training young graduates under 30 in programing languages with the most urgent staff shortages, and a foundation of basic training that can be adapted to new languages.

<THE PROGRAMME>



3 months

Bootcamp with intensive classroom-based training in programming techniques.

Career management, mentoring, motivational and lifestyle workshops;



3 to 6 months

Internship with an incremental transition into the job market;



3 months

Remote follow-up support.



ACADEMIADE**CÓDIGO**
JUNIOR



Placement

Restructure the education system's IT programme, with a programming and coding foundation that we consider essential professional skills for the future. Place 1,200,000 students in code training.

Guidance

Help to structure thoughts, with logical reasoning, critical thinking and creativity, reduce complex problems to smaller ones and overcome the fear of mathematics by offering interactive knowledge on algorithmic and arithmetic functions, among others.

Awareness

Emphasise the importance of IT sectors in the education system and create awareness among the future generations of the potential in the Technology sector.

<PROGRAMME FOR SCHOOLS_>

Basic Training 8-9 to 9-10 years old



3 SCHOOLS

1st year – Pilot Project
EB Aida Vieira, EB Bairro
do Armador e EB São
João de Deus.

3RD AND 4TH YEAR

2nd and 3rd Cycle (3rd
Year) 1st Cycle (4th
Year)

75 STUDENTS

Receive 2 hrs. training
per week during 3
cycles.

Innovative financing: first social impact bond in Portugal

PARTNERS:



FUNDAÇÃO
CALOUSTE GULBENKIAN





The digital tsunami is starting...

<END_>



Obrigado

