

Project

1. Policy comments analyzer
2. Geo-tagging of Entities by tweets using EDL

Introduction



FEDERAL REGISTER

The Daily Journal of the United States Government

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PR Proposed Rule

Improving and Expanding Training Opportunities for F-1 Nonimmigrant Students With STEM Degrees and Cap-Gap Relief for All Eligible F-1 Students

A Proposed Rule by the [Homeland Security Department](#) on 10/19/2015



<https://www.regulations.gov/document?D=ICEB-2015-0002-0011>

Introduction

Over 50,000 comments:

<https://www.regulations.gov/docketBrowser?rpp=25&so=DESC&sb=commentDueDate&po=0&dct=PS&D=ICEB-2015-0002>

On **December 22, 2015**, after receiving over 50,000 comments on its proposed 24-month STEM OPT rule, DHS moved the WashTech court to extend the stay on the vacatur of the 2008 17-month STEM OPT rule from February 12, 2016 until May 10, 2016, to provide for "approximately 30 days to complete the rulemaking and 60 days for a delayed-effective-date period, under which DHS would train agency personnel and coordinate with the regulated community."

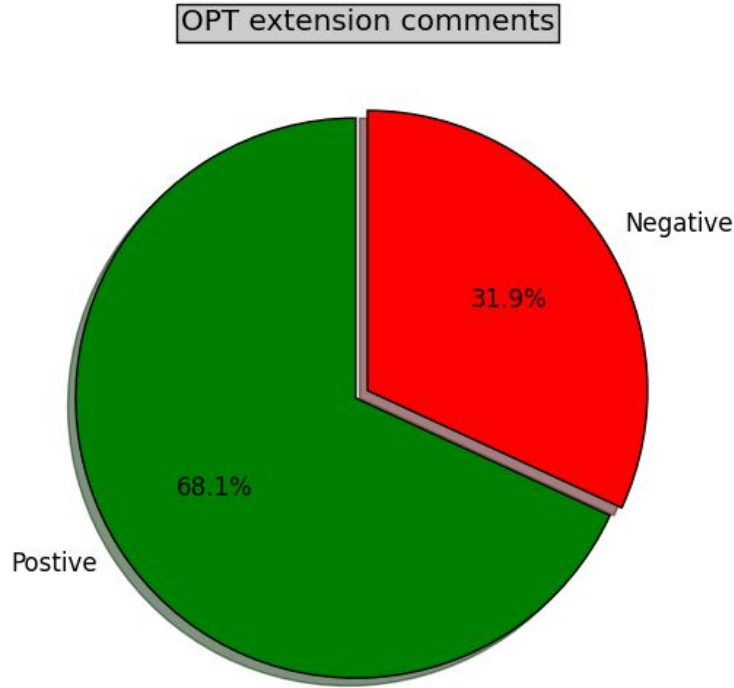
Data crawling and parsing

Website: <https://www.regulations.gov/docketBrowser?rpp=25&so=DESC&sb=commentDueDate&po=0&dct=PS&D=ICEB-2015-0002>

Results per page: 25 ▾ Sort By: Comments Due (Newer-Older) ▾

<p>Comment Submitted by Thomas Baca</p> <p>WE THE PEOPLE ! should secure a place in the Middle East , say like maybe their Home Iraq , Syria . our country can not withstand more people coming here , Job losses in the...</p> <p>Public Submission Posted: 11/09/2015 ID: ICEB-2015-0002-7019</p>	<p>Comment Period Closed</p> <p>Nov 18, 2015 11:59 PM ET</p>
<p>Comment Submitted by Mingqing Huang</p> <p>I strongly support this decision because STEM students contribute to the development of technology, which not only drives economy, but also helps US remain as the leader in...</p> <p>Public Submission Posted: 11/14/2015 ID: ICEB-2015-0002-22897</p>	<p>Comment Period Closed</p> <p>Nov 18, 2015 11:59 PM ET</p>
<p>Comment Submitted by Felix Xu</p> <p>I fully support this new rule! In fact I think it is necessary to expand the opportunities for students with STEM Degrees. Because these students are playing important roles in the...</p> <p>Public Submission Posted: 11/02/2015 ID: ICEB-2015-0002-4445</p>	<p>Comment Period Closed</p> <p>Nov 18, 2015 11:59 PM ET</p>
<p>Comment Submitted by Janelle Furstinger</p> <p>The arguments against this proposal are numerous and strong. This proposal does not help the United States or the workers of the United States There are approximately 568,000 F-1...</p> <p>Public Submission Posted: 10/30/2015 ID: ICEB-2015-0002-3194</p>	<p>Comment Period Closed</p> <p>Nov 18, 2015 11:59 PM ET</p>

Sentiment Analysis (or not)



Sentiment analysis doesn't reflect the author's view (support/object) of the topic.

Relation Extraction - 1

Optional Practical Training (OPT) is a very bad plan. A Freedom of Information Act request from the Center for Immigration Studies revealed several disturbing facts about the OPT program that DHS proposes to expand. Two of them are: OPT denied American workers more than 430,000 jobs during the years 2009-2013; and OPT removed \$4 billion from the Social Security and Medicare trust funds. The proposed regulations are "irresponsible and dangerous considering the Government Accountability Office (GAO) report issued in March 2014 finding that the program was full of inefficiencies, susceptible to fraud, and that the Department was not adequately overseeing it." The report also found a major national security problem in that the Department does not know where tens of thousands of foreign students are living and working in the country. The GAO said that 'ICE cannot fully ensure foreign students working under optional practical training are maintaining their legal status in the United States.' This rule must not go into effect. Thank you, Mr. and Mrs. Charles R. Hofacker

Relation Extraction - 1

1.0	Optional Practical Training	is	very bad plan	
1.0	Practical Training	is	plan	
1.0	Practical Training	is	bad plan	
1.0	Training	is	bad	
1.0	Optional Practical Training	is	bad plan	
1.0	Optional Practical Training	is	plan	
1.0	Practical Training	is	very bad plan	
1.0	DHS	proposes	expand	
1.0	OPT	are	denied	
0.42111992611353893	Government Accountability Office report issued in			March 2014
1.0	regulations	are	irresponsible	

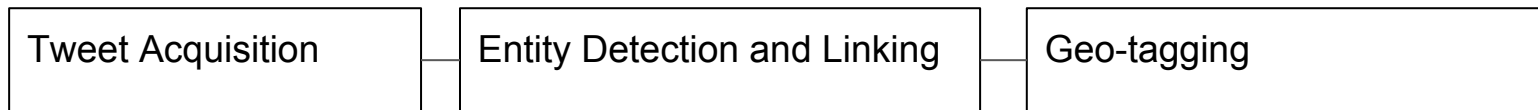
Relation Extraction - 2

I fully support the new change of increasing the F1 OPT STEM extension to 24 months instead of the current 17 months. I believe this increased duration of practical training is important for students to fully utilize the education they received. This is also imperative to maintain this nation's economic, scientific, and technological competitiveness. So, Please think to one more time on increasing the F1 OPT STEM extension to 36 months instead of the current 17 months which can give enough time for students to utilize the education and can give maximum help in the growth on nation both technically and economically.

Relation Extraction - 2

1.0	nation	has	economic competitiveness
1.0	Please	think to	one more time
1.0	Please	So think to	one more time
1.0	Please	increasing	F1 OPT STEM extension
1.0	Please	So think to	one time
1.0	Please	think to	one time

Geo-tagging



https://github.com/LargePanda/GeoTweet_EDL

Tweet EDL demo (and problems)

Twitter at the Grammys: A Social Media Corpus for Entity Linking and Disambiguation

Result

Only Lupe Fiasco could pull off the [Ninja](#) look specially in the grammys!!

Back

Result

But if [Mariah](#) win a Grammy and [Nicki](#) don't oh I'm be super pissed then.

Back

Tweet EDL demo (and problems)

- Short
- Popularity
- Clean