



PREDICTION OF PUBLIC INTEREST IN TINY HOMES BY ANALYZING YOUTUBE COMMENTS

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WHY TINY HOMES?

- Not expensive mode of life.
- It is Adventurous!
- Sustainable.



Tiny living movement

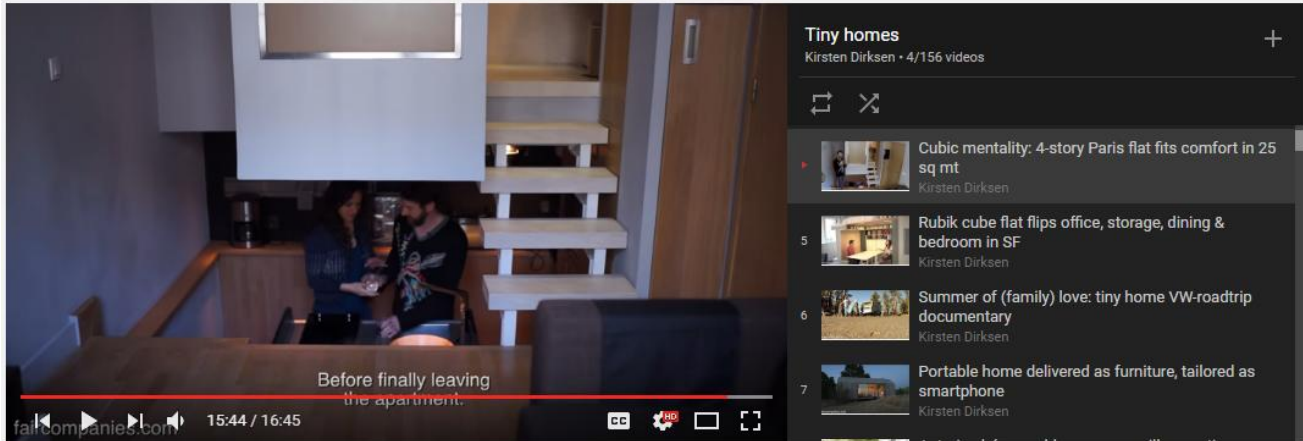
But

- Do people really love it?
- Can someone invest money in this business?



HOW TO GET AN INSIGHT?

- Collect data
 - Can be from several sources
 - Here, data from comments in a YouTube channel on tiny homes
 - Used API
- Analyse data to get an insight about current situation and predict the future trend



Cubic mentality: 4-story Paris flat fits comfort in 25 sq mt



Kirsten Dirksen

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COMMENTS • 784



Add a public comment...

Top comments



Tim Jakub 11 months ago

THAT is one of THE BEST spaces You have shown (found)!!! I am stunned and I would LOVE to live like this ... or create a space inspired by THAT apartment :D i love it!

Reply • 253

View all 13 replies



haute03 1 month ago

It truly is ingenious, as well as beautiful to look at.

Reply •



Shannon Louvieñez 28 minutes ago (edited)

Tim Jakub true!! , me too!

Reply •



Rang Klos 7 months ago

This man's a heck of an architect! All his discussions of space, visual, materials, human scales & lighting are interesting. I can listen to him all day!

Reply • 196

View all 4 replies

Tiny homes

Kirsten Dirksen • 4/156 videos



Cubic mentality: 4-story Paris flat fits comfort in 25 sq mt

Kirsten Dirksen



Rubik cube flat flips office, storage, dining & bedroom in SF

Kirsten Dirksen



Summer of (family) love: tiny home VW-roadtrip documentary

Kirsten Dirksen



Portable home delivered as furniture, tailored as smartphone

Kirsten Dirksen



Tiny Studio Apartment - Sleeping Loft and Moving Staircase (Zoku)

GoDownsize

1,024,535 views



650 Sq. Ft. Lake Washington Cabin, Small House Design Ideas

Home Design Ideas

301 views

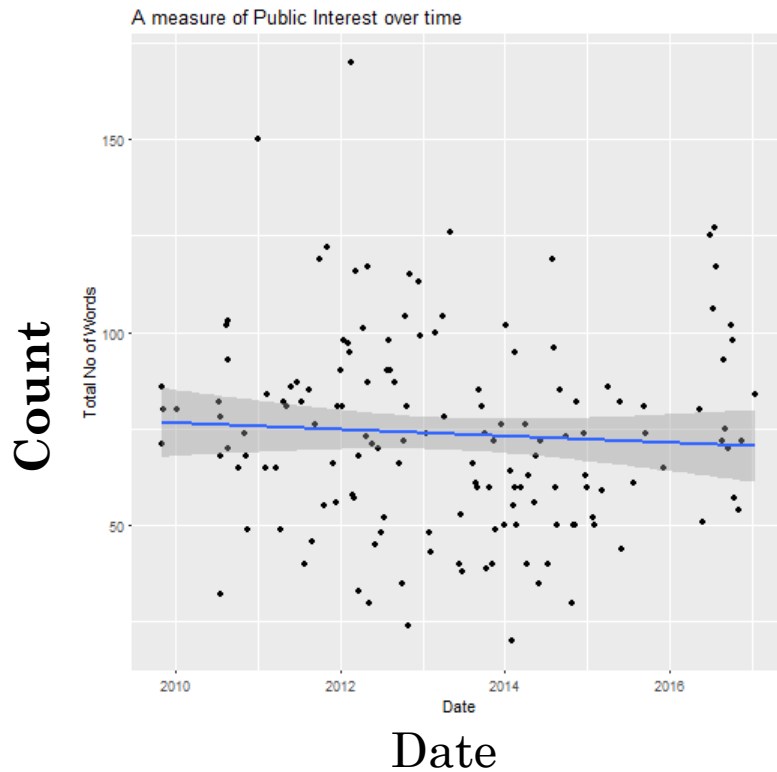
NEW

DATA ANALYSIS

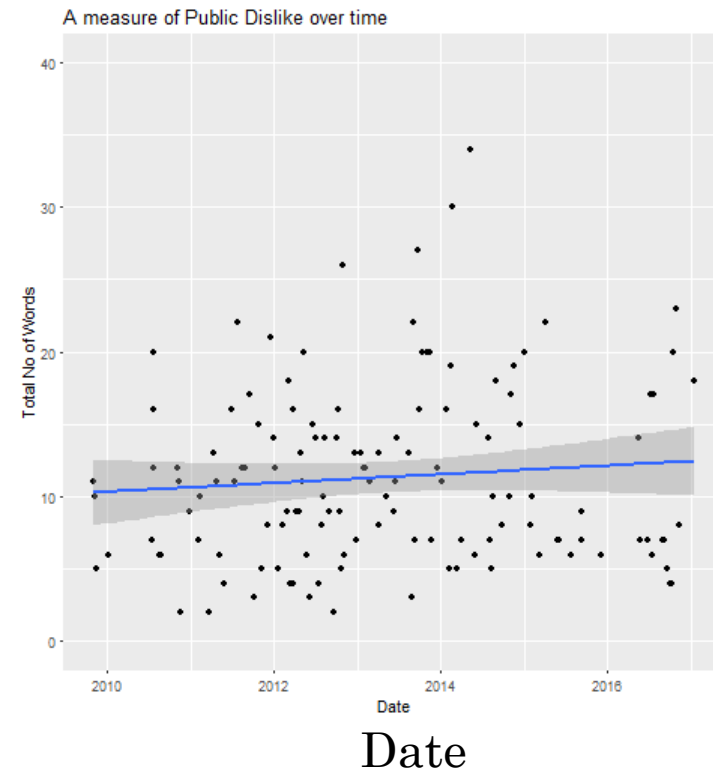
- Text mining
 - Text mining is a very broad field with many applications (e.g. Twitter, Facebook, customer reviews, forum discussions, and blogs)
 - Several techniques available, such as:
 - Natural Language Processing (NPL)
 - Sentiment analysis and opinion mining (for positivity/negativity and emotion classification)
 - Several packages in R and Python (e.g. tm)
- Data visualization
- Statistical analysis

FIRST TRY

- A very crude algorithm (simply counting the number of positive vs. negative words)



Positive words



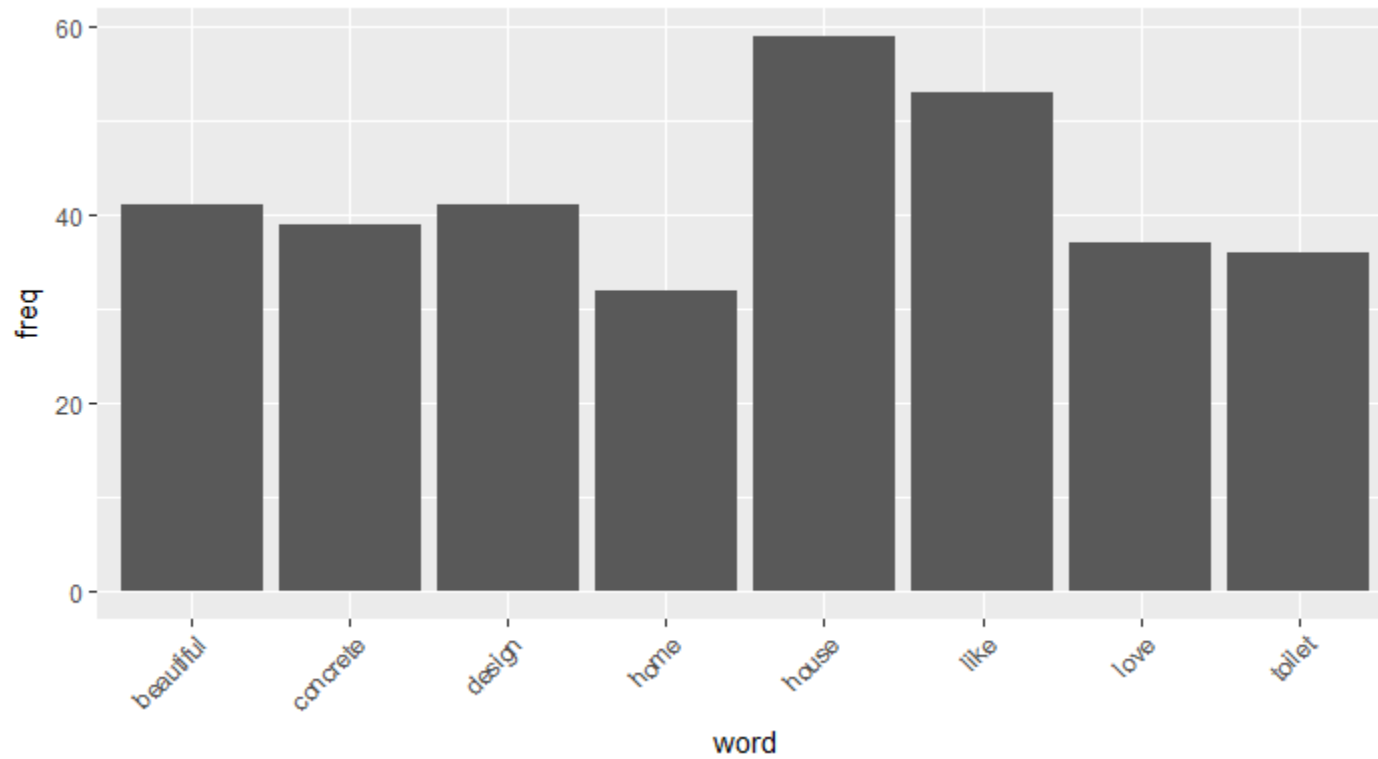
Negative words

WORD CLOUD

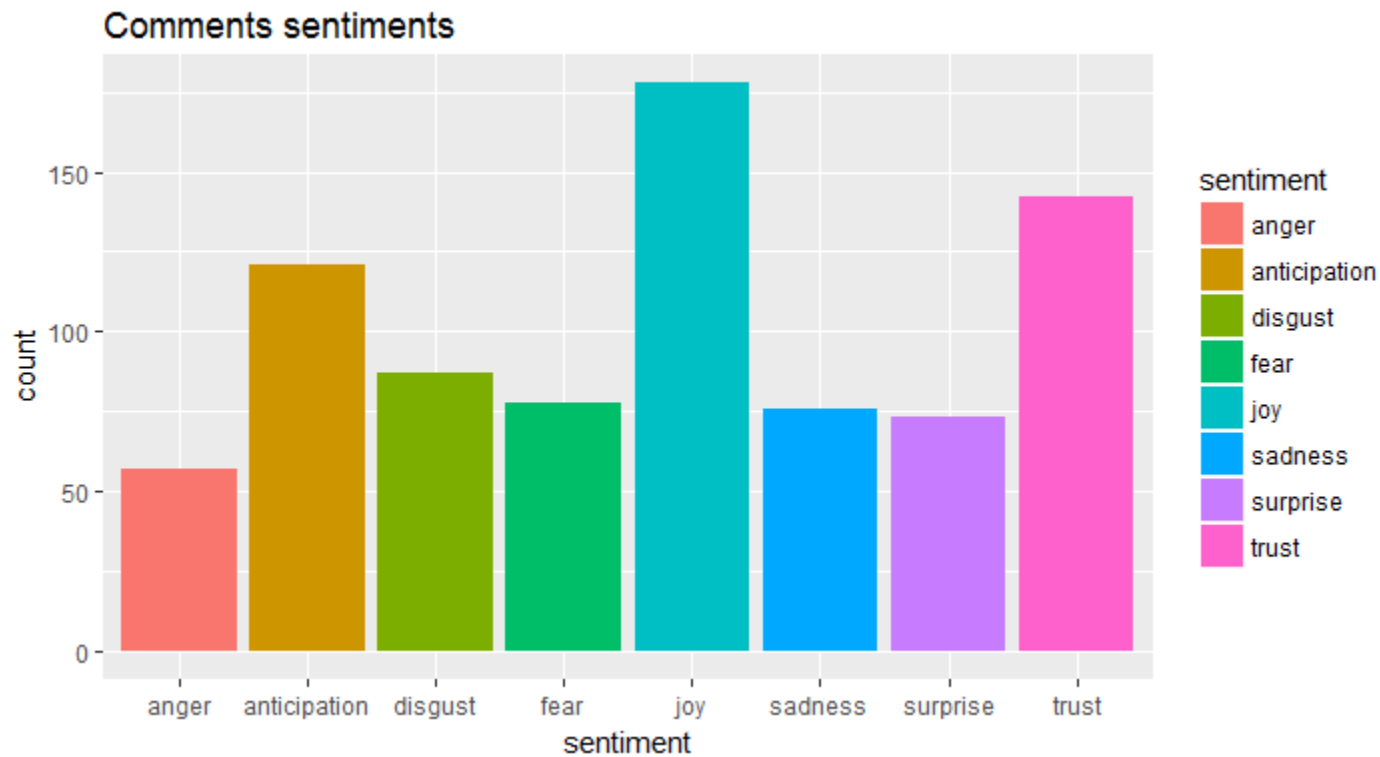
- Let's look at the comments in the first video



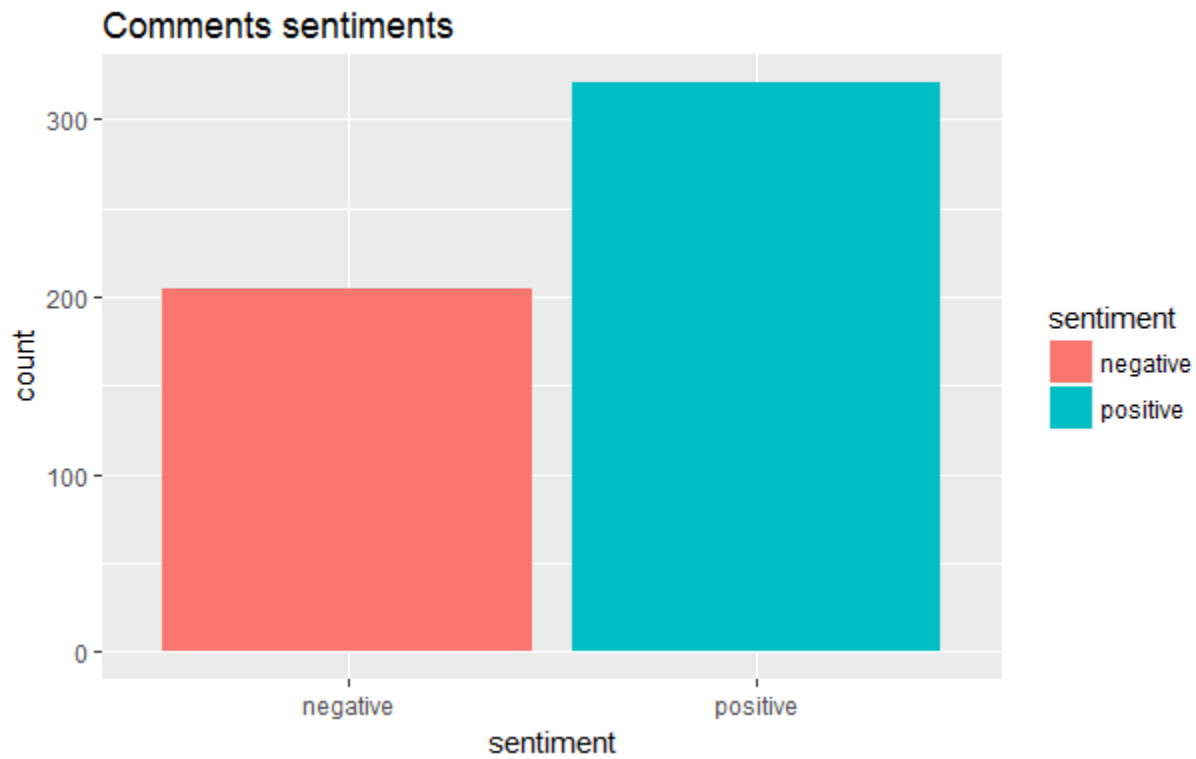
WORD COUNTS FOR ONE VIDEO



SENTIMENT ANALYSIS FOR ONE VIDEO



POSITIVE VS NEGATIVE



WORK TO DO

It is more complicated than it sounds (a very simple example: “I do not love it” contains “love” but means opposite.

Then need to

- Explore different features of text mining and advanced techniques
- Pattern extraction
- Fake reviews and spam detection
- Statistical analysis
- n-gram
- Extend to other YouTube channels on tiny homes
- Incorporate data from other sources

Thank you for your attention.

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