## PRICING STRATEGIES OF DRUG VENDORS ON DARKNET MARKETS

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Dr Oetker, 5-Stars and Bitcoin: What do they have to do with pricing on DNMs?





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### 1. Sampling and Analysis

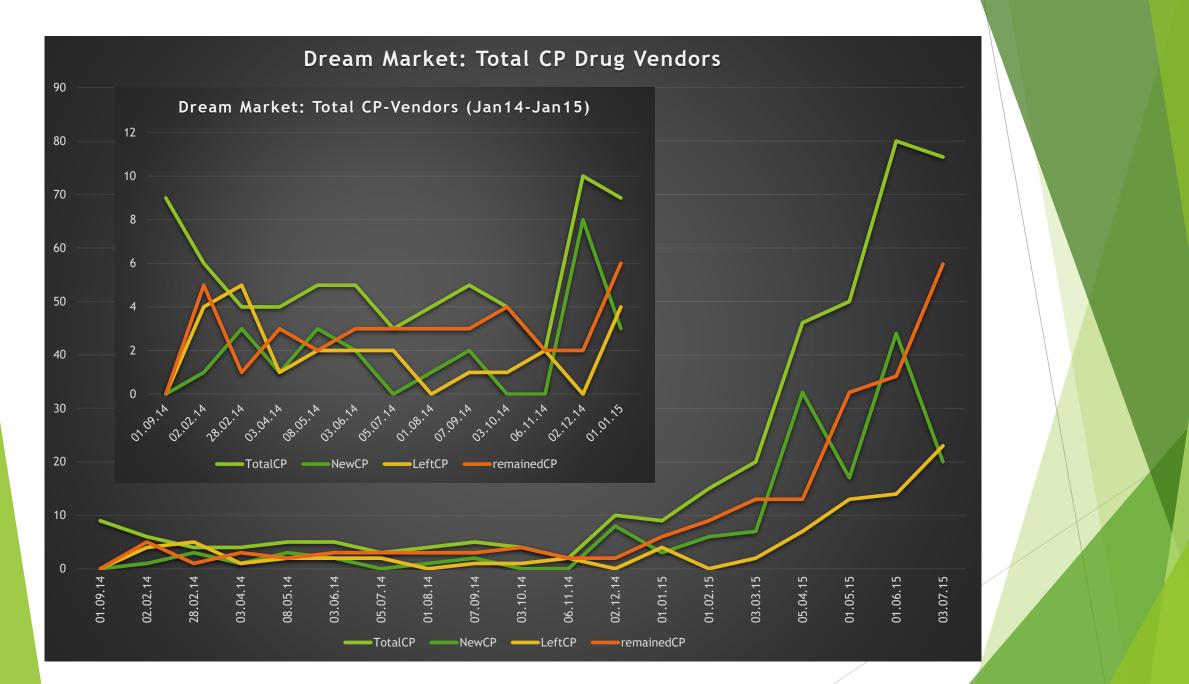
Fream Market Established 2013

- Above average life time
  - Still existing
    - Above average up-time
      - Focus on drug produces

## 1. Sampling and Analysis

- Longitudinal study of the scrapes collected by Gwern Branwen
- Dream Market: 01 Jan 2014 03Jul 2015
- Tochka: 05 Jan 2015 04 Jul 2015
- Monthly scrapes
- Quantitative study of the cannabis and psychedelic submarkets
  -> vendor fluctuation and structure
- Quantitative study of the five most represented vendors
  -> price resonance to changes in the BTC exchange rate to
- Qualitative study of the five most represented vendors
  -> product photos, product description, vendor feedback and representation

## 2. Findings 2. 1 Vendor and Product Fluctuation





# 2. Findings2.2 Adaptability to BTC-Exchange-Rate



#### Resonance of Prices to Changes in BTC Exchange Rate (Average)

	<u>Seller</u>	Product	Difference if decBTC	Difference if incBTC	
SB		20 Grams Pouch Tobacco Spice	5.20	7.31	Cannabis
SB		LSD	4.95	7.22	Psych
SA		1oz Purple Kush AAA BC Indoor	4.15	12.85	Cannabis
SA		1oz Jack Haze AAA Indoor BC	2.09	17.66	Cannabis
SA		Magic Mushrooms Cubensis	4.51	3.70	Psych
sc		1g Indian Traditional Malana	5.56	6.24	Cannabis
SD		Indian hand rubbed Charas	14.30	5.43	Cannabis

## 2.3 Cross-Market Pricing

- Three sellers on both markets (2 in cannabis and psychedelics)
- Same products (except for one seller with a wider product range on DM)
- No clear pricing pattern (Seller Y higher prices on DM, Seller Z lower prices on DM)

### Conclusion

- 1. Populating the market: similar pattern; slow beginning
- 2. Weak correlation between change in BTC exchange rate and drug offers
- 3. Changing exchange rate <u>correlates</u> with a constant real <u>increase</u> in price
- 4. Steadiness in increase suggests limited impact of external information
- 5. Increasing number of positive feedback might have a long term impact -> indicator for the incorporation of risk (on buyer's side) in the product price
- 6. Same product but different markets -> different prices
- 7. Price setting goes beyond demand

# Dr Oetker, 5-Stars and Bitcoin: What do they have to do with pricing on DNMs?





Quality is the best recipe.





### THANK YOU FOR YOUR ATTENTION!