

My deliverable presentation

Opportunities
Tue, 2020-11-12
David





Agenda

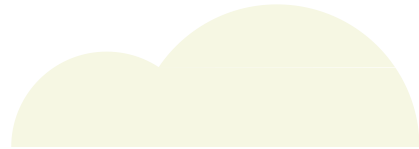
D1 Functions

D2 Findings

AOB Suggestions /
Thoughts

D1

Functions



D1: Functions

- just a simple dict with currency and current exchange rate today....
- easily to merge on df's account_number:

```
{1: {'account_number': 912, 'currency': 'USD', 'ex_rate': 1.0},  
1088: {'account_number': 14683, 'currency': 'USD', 'ex_rate': 1.0},  
1673: {'account_number': 1708, 'currency': 'USD', 'ex_rate': 1.0},  
2018: {'account_number': 17166, 'currency': 'CAD', 'ex_rate': 0.76},  
2653: {'account_number': 2670, 'currency': 'CAD', 'ex_rate': 0.76},  
3153: {'account_number': 2683, 'currency': 'CAD', 'ex_rate': 0.76},  
3707: {'account_number': 10797, 'currency': 'CAD', 'ex_rate': 0.76},
```

```
cur = {  
    "USD": 1,  
    "CAD": 0.76,  
    "CNY": 0.15,  
    "GBP": 1.32,  
    "JPY": 0.0095,  
    "EUR": 1.18,  
    "TWD": 0.035,  
    "MXN": 0.049,  
    "AMD": 0.0020,  
    "KRW": 0.00090,  
    "HKD": 0.13,  
    "INR": 0.013,  
}
```



D2

EDA Findings

Opportunities Perspective

Opportunity Perspective

Exploration Content:

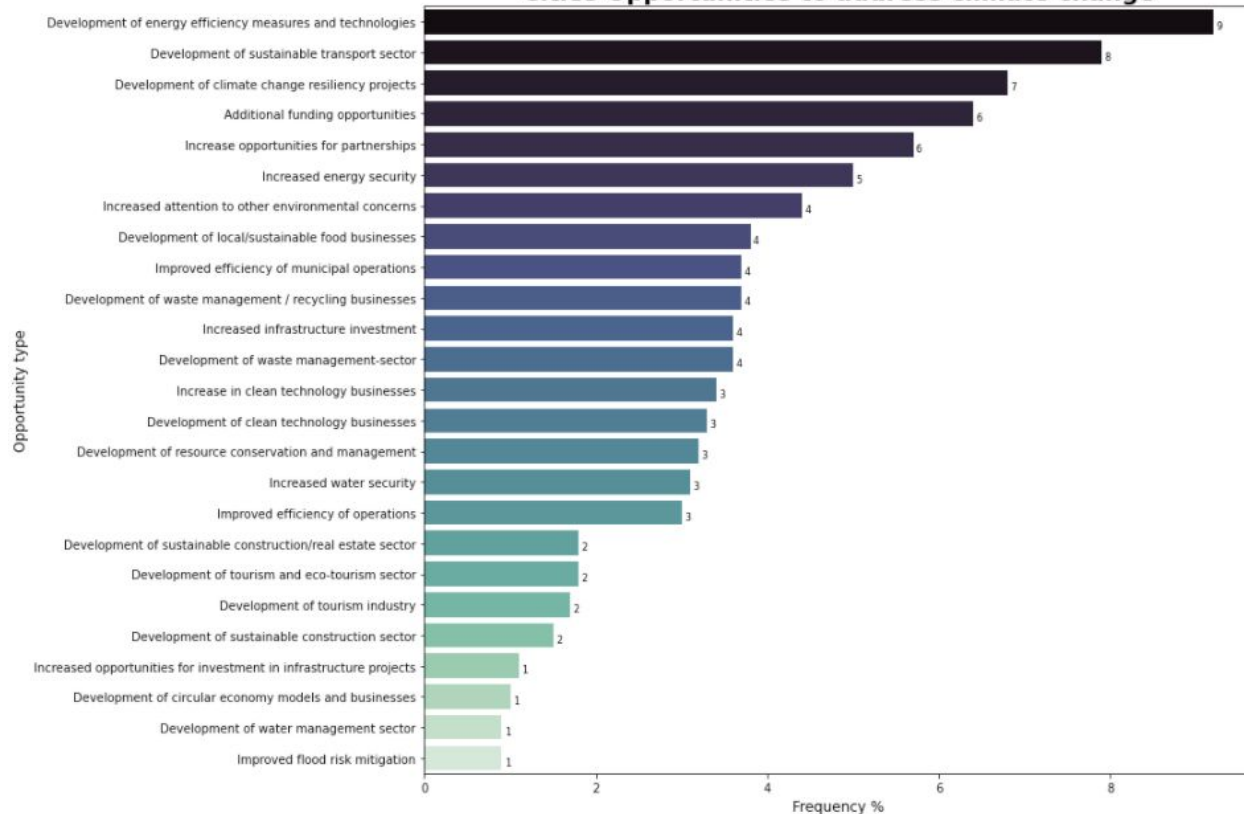
The analysis of risks is followed by an examination of opportunities from the perspective of cities and companies. We will examine where both sides see their individual opportunities, how high they rate them and where there are overlaps between the two sides' views.

Motivation Purpose:

The greatest motivation for cooperation arises when all participants benefit from it. It is therefore important to look not only at security but also at opportunities on all sides. From a communication point of view alone, it seems promising to pay special attention to the shared possibilities and opportunities. It could be way easier to convince partners to collaborate, if both sides see a change to benefit from collaboration.



Cities Opportunities to address climate change

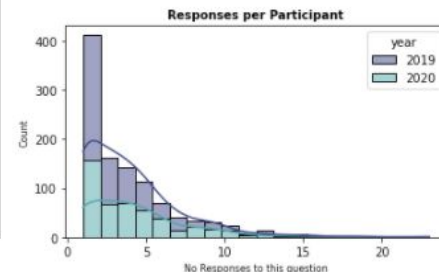
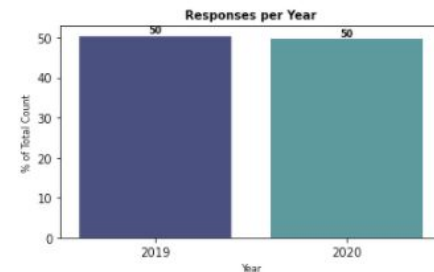
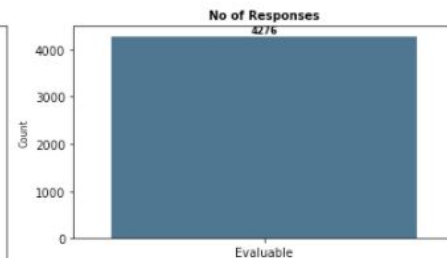


Number responses:4276

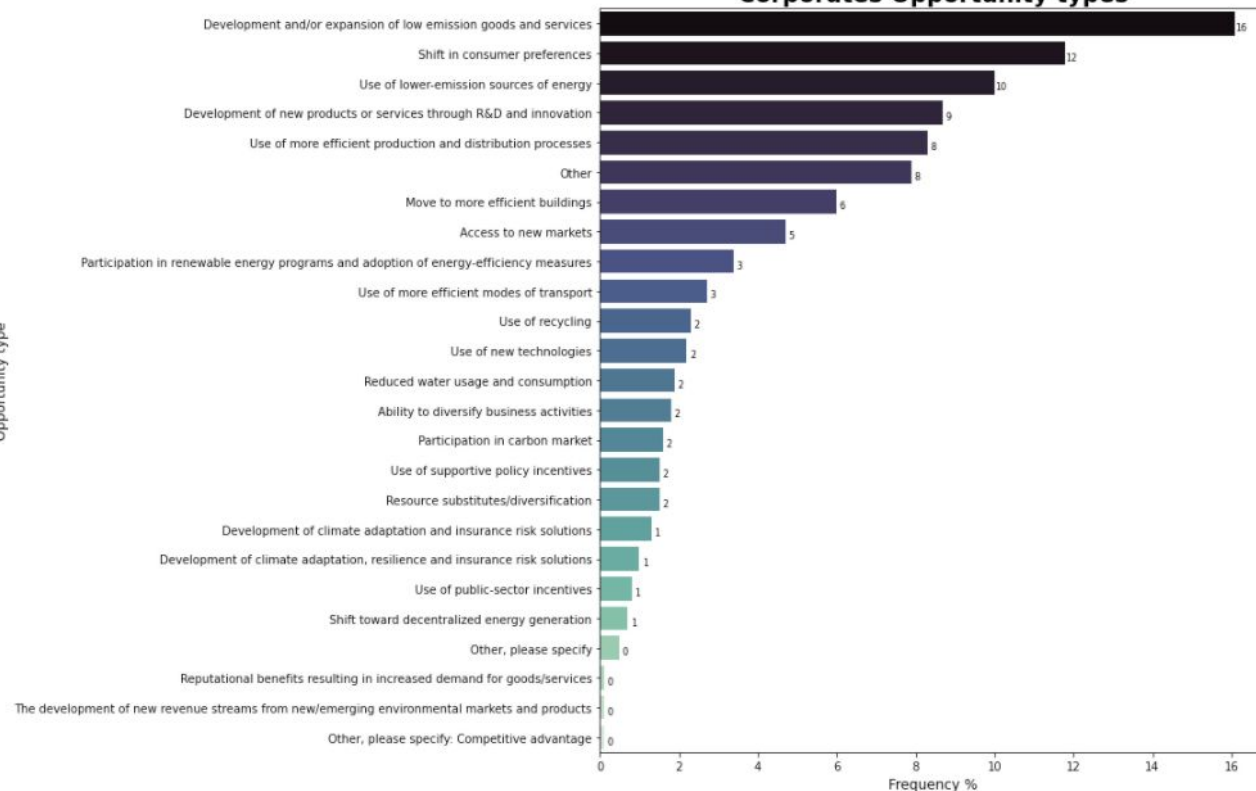
Answers reflected by plot: 90.50000000000001%

The possibilities identified by cities for addressing climate change are manifold and can be roughly divided into "concrete measures" and "general conditions". It is noticeable that a great many possibilities concern the area of "technology development". Support in this area could certainly be of interest to companies and help them to develop new business models and products.

As usual, the focus of public innovation efforts is on encouraging cooperation and providing funding.

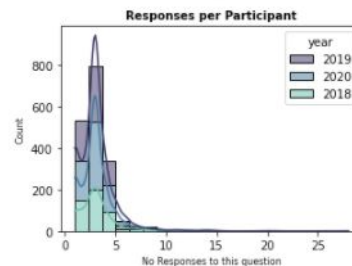
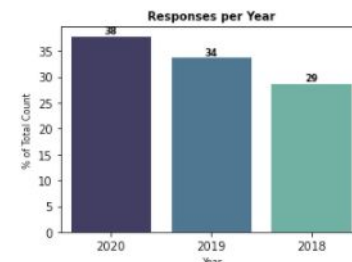
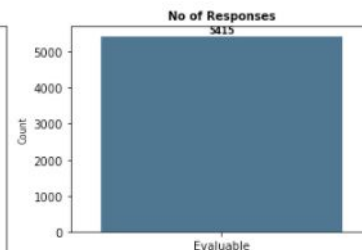


Corporates Opportunity types



Number responses:5415
Answers reflected by plot: 97.0%

It is not surprising that the company considers "Products & Service" as well as "Resource Efficiency" by a large majority as the areas with the most opportunities: Both have a direct impact on value creation and represent the core of companies. Accordingly, this is also where the sphere of influence is greatest and optimisation is most promising. It is striking that these categories very clearly correspond to the concerns identified by the cities.



AOB

My thoughts



Meine aktuellen Gedanken / To Dos...

1. EDA-Ergebnisse strukturieren

	Gemeinsamkeiten	Unterschiede	Besonders wichtig	...
Identifizierte Risiken	Sorge vor extremen Wetterbedingungen	Position zu Regulierung	Wasser-Knappheit	
Finanzielle Auswirkungen				
Soziale Einflüsse				
Möglichkeiten				



Meine aktuellen Gedanken / To Dos...

2. Hypothesen aufstellen und Ergebnis-Liste mit euch teilen -> Input für weitere Bearbeitung
 - a. Die Betrachtung der Klimarisiken ist regional sehr unterschiedlich.
 - b. Die Teilnehmer lassen sich basierend auf Ihren Antworten zu Risks, Opportunities, Commitment & Targets in unterschiedliche Profil-Gruppen segmentieren
 - c. Die Bereitschaft zur Kollaboration ist abhängig von der Unternehmensbranche
3. KNN mit (vermutlich ausschließlich) kategorischen Variablen (10-20) testen, ggf. unter Einsatz von PCA
 - a. welche Features könnt ihr für eine solche Analyse empfehlen
4. Arbeitet an Plotly Dash fortsetzen -> Primärer Dataframe

