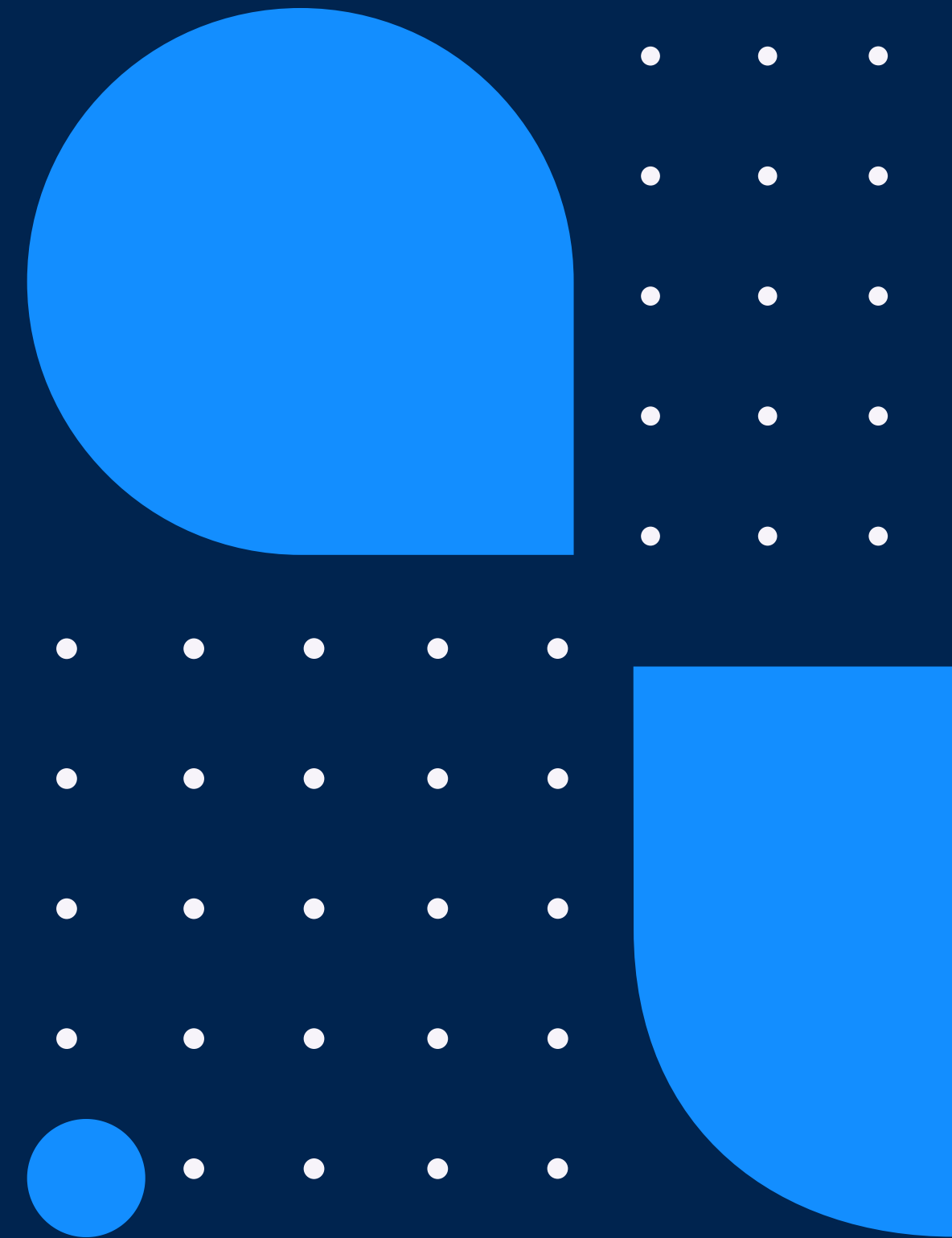
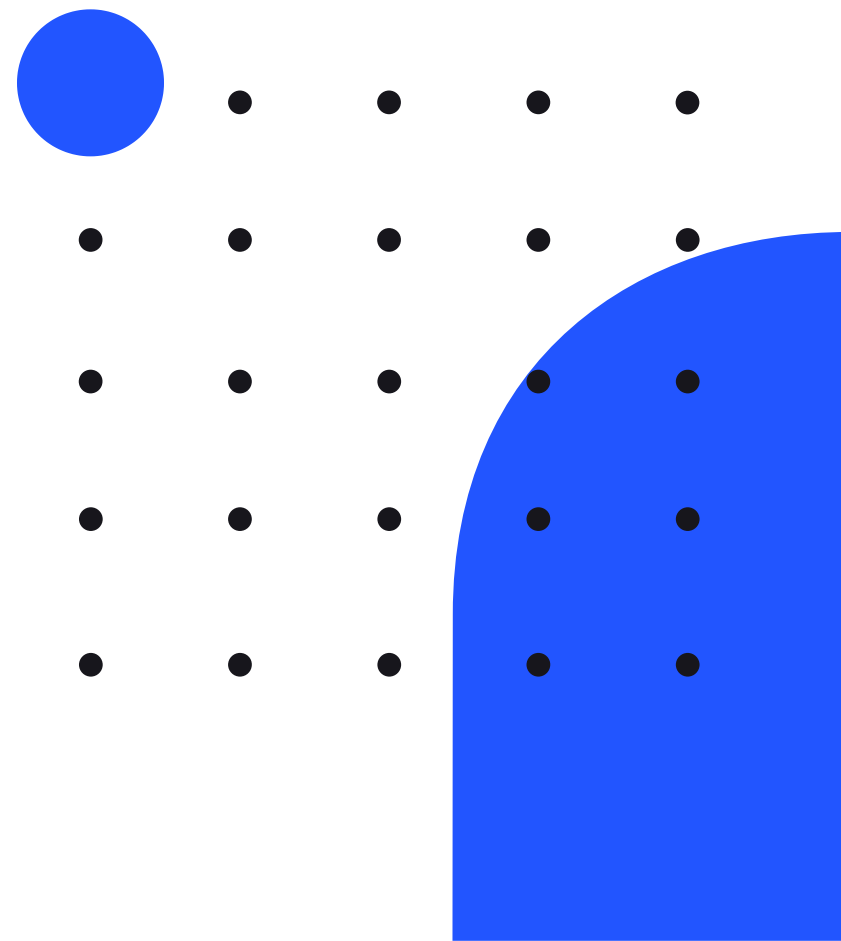


# payLOCATOR Presentation

Nesma, Olga, Michel



# Project Process



Establishing a  
strategy to better  
tackle the tasks



# Strategy, Tactics, and Execution



## Strategy

Understanding the requirements, setting goals ,  
project management using Trello



## Tactics

Using Python, Excel, Tableau, Youtube when needed  
and [GOOGLE](#).

## Execution

Collaborate effectively and simultaneously and  
constantly reviewing our road map

# Trello Overview



Board ▼

Project 6 ☆

Private Workspace

Workspace visible

M DN OS Invite

To Do

Widget 10 : Transactions by month DN

Widget 2&3 : Status of payment & Payment status forecast M

Widget 5 : Probability of delay M

Polish the aesthetics 3/3 DN

Widget 8 : Forecast Charges OS

Widget 9 : Forecast Amount OS

Create User Story OS

+ Add a card

Doing

Widget 1 : Average time for transaction DN

Widget 6 : Troubles forecast M

Widget 12 : Important Clients DN

Widget 4 : Issues in correspondence chain DN

Widget 7 : Total charges per period OS

Widget 11 : Pie Currency DN

+ Add a card

Done

Setting up Github 1 M

Create Trello DN

Planning the project and discussing the outcome 3 DN M OS

Create the dashboard's concept 5/5 DN

Powerpoint Content M

Create a system of Key Performance Indicators (KPIs).

Examine the dataset for the possible issues

+ Add a card

## 1. Data Overview .

We used primarily python to go over the data and identify anomalies, outliers, missing data, mistypes...

## 2. Data Cleaning.

Proceeding changing data types, date format, extract countries

## 3. Excel.

Some of the requirements specified calculations that were possible to do in Tableau, but in order to gain time and be more efficient excel was our best Allie.

## 4. Tableau.

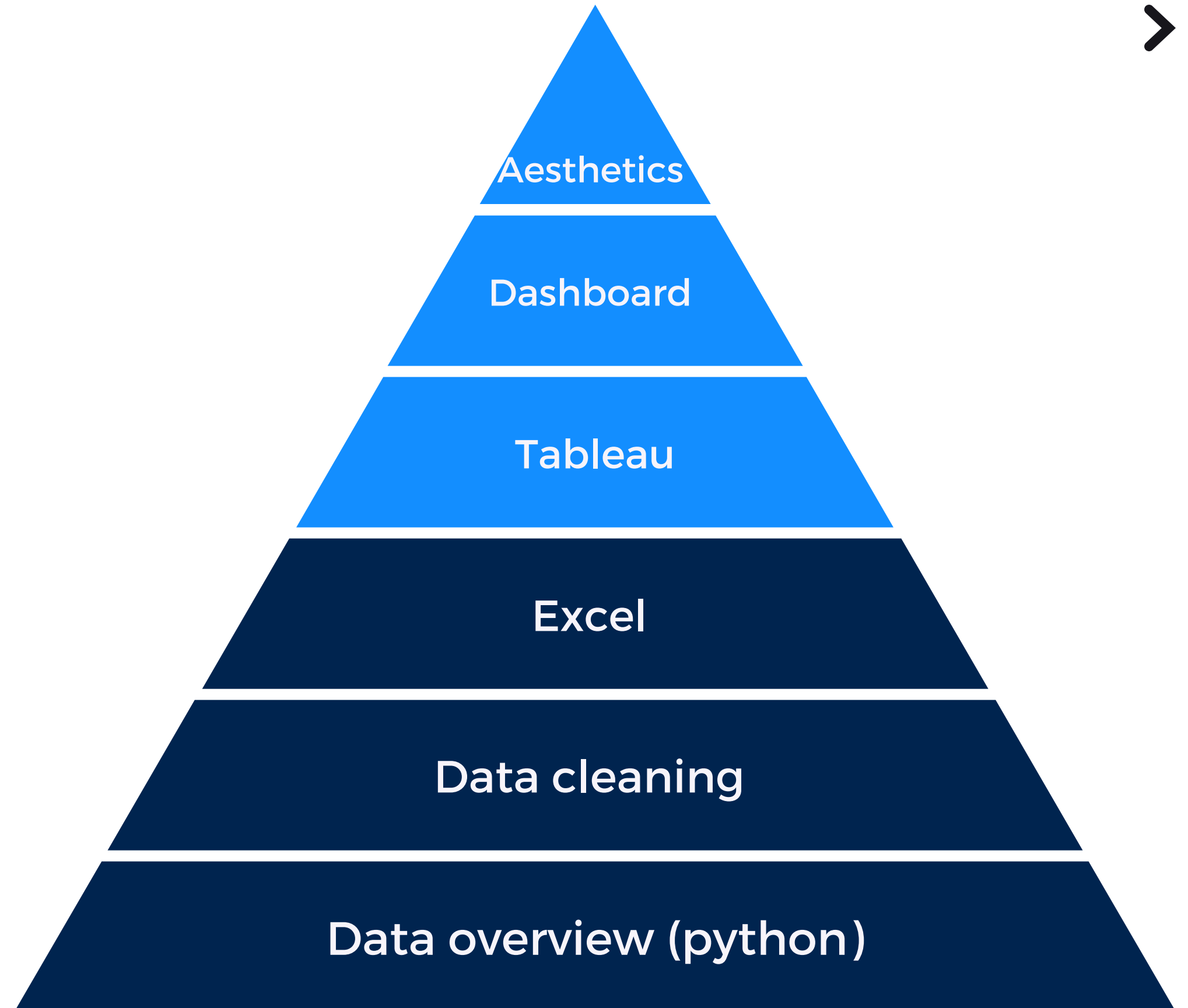
Creating pertinent widgets helped us interpret the data we were given and execute the required tasks.

## 5. Dashboard.

Probably the most time-consuming task since it required attention to detail while exploring all tableau's features.

## 6. Aesthetics.

Slide creating and going over the details of every step mentioned above.



# Step 1

## 1. Data Overview .

We used primarily python to go over the data and identify anomalies, outliers, missing data, mistypes...

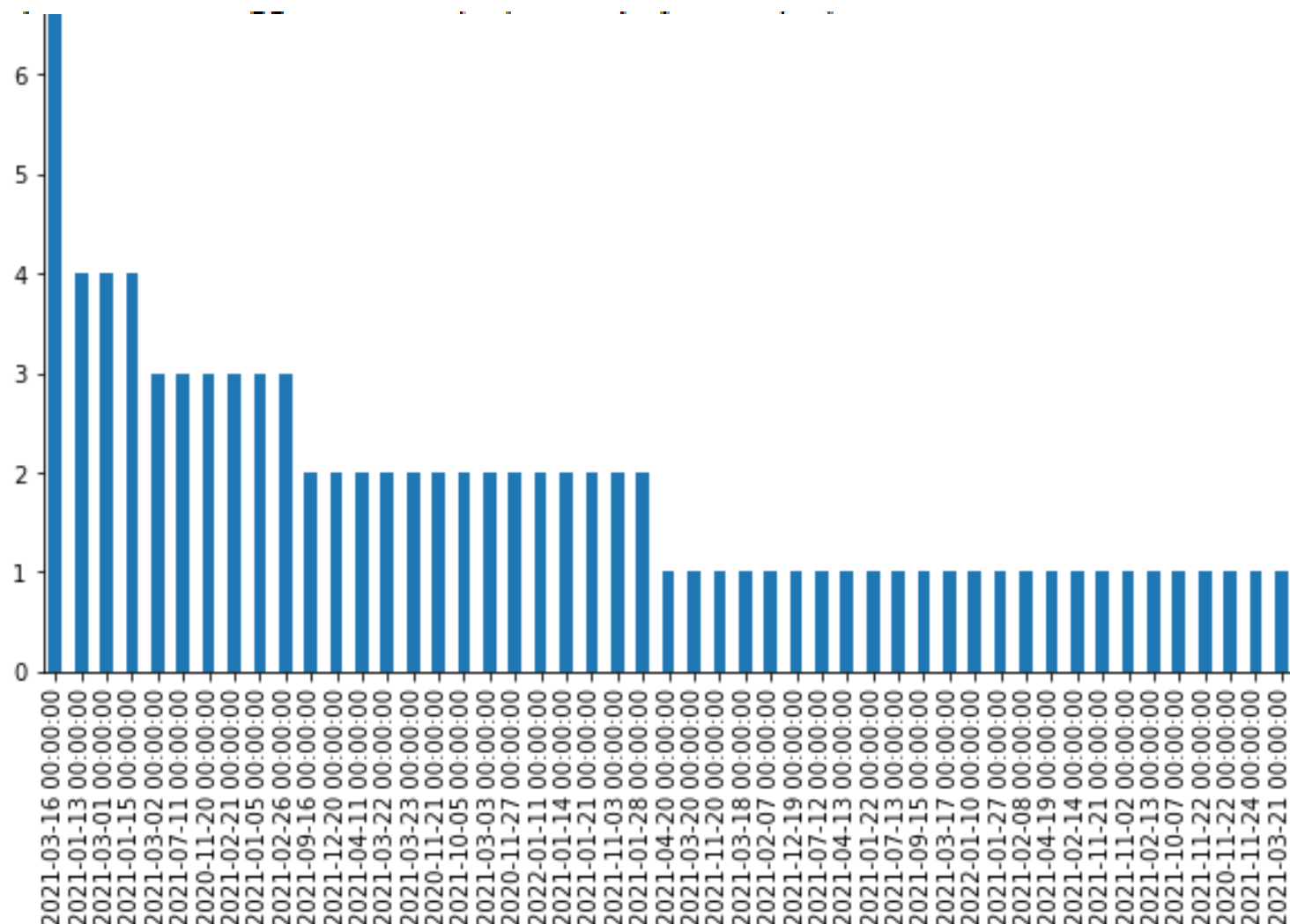
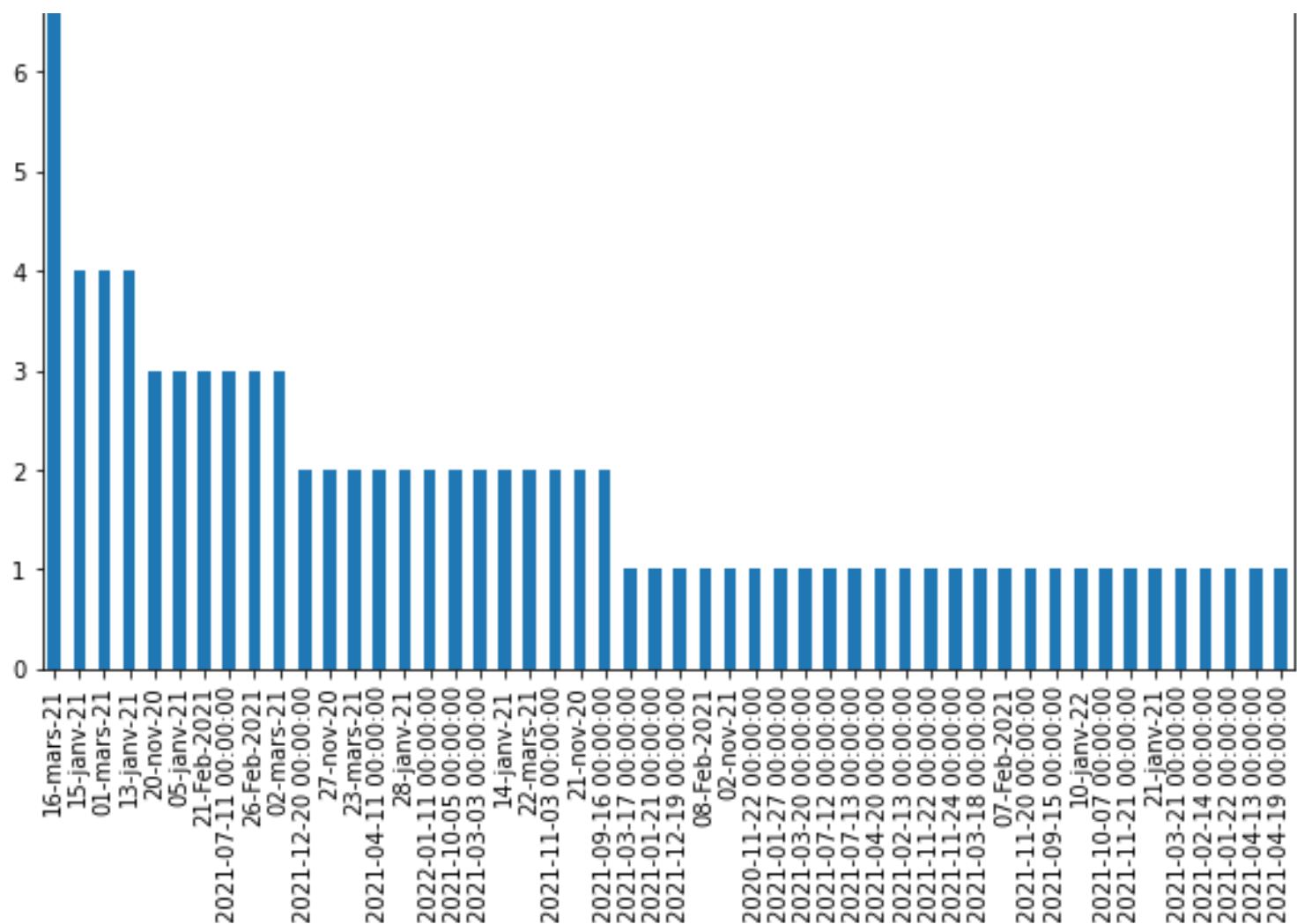
## 2. Data Cleaning.

Proceeding changing data types, date format, extract countries

RangeIndex: 90 entries, 0 to 89

Data columns (total 11 columns):

#	Column	Non-Null Count	Dtype
0	Debtor	90 non-null	object
1	Creditor	90 non-null	object
2	Type	90 non-null	object
3	Reference	90 non-null	object
4	Initial Amount	90 non-null	float64
5	Currency	90 non-null	object
6	Bank	90 non-null	object
7	Charges	90 non-null	float64
8	Date	90 non-null	object
9	Time (local)	90 non-null	object
10	Status	90 non-null	object





# Step 2

## Excel.

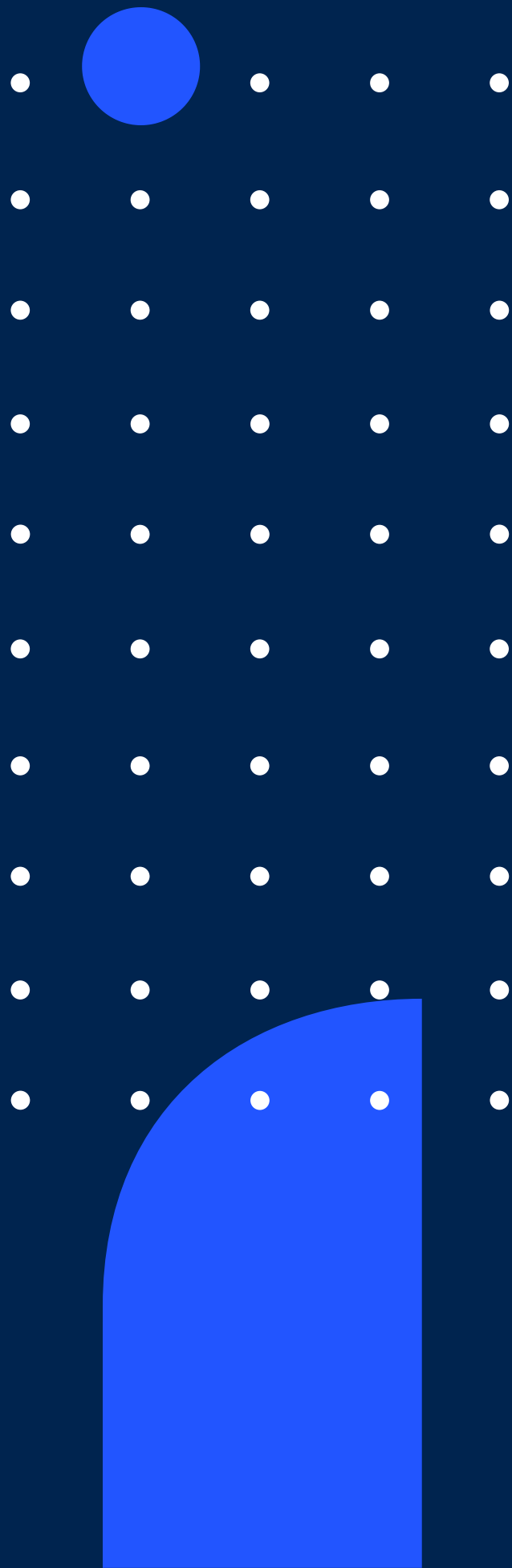
Some of the requirements specified calculations that were possible to do in Tableau, but in order to gain time and be more efficient excel was our best Allie.

▲	A	B	C	D	E	F	G	H	I	J	K	L	N	O	R	S	T	U	V	
1	Debtor	Creditor	Reference	Initial Amount	Currency	Bank	Charges	Date	Time (local)	Status	BankName	Country	TransactionID	DateTime	Type	Charges	Months	LastStatus	Country_full	
2	Alpha Inc	ACME INV	REF211	10000	USD	CHASUS3AXXX	0,02	16/03/2021	08:15:00	NEW	CHAS	US	REF211	16/3/21 8:15	Delay	200,00	3	COMPLETED	USA	
3	Alpha Inc	ACME INV	REF211	10000	USD	BINAADADXXX	0,015	17-03-2021	15:45:00	COMPLETED	BINA	AD	REF211	17/3/21 15:45	Delay	147,00	3	COMPLETED	ANDORA	
4	Alpha Inc	ACME ONI	REFTEST01	4537	USD	CHASUS3AXXX	0,02	16-03-2021	00:00:00	NEW	CHAS	US	REFTEST0145373	16/3/21 0:00	Delay	90,74	3	COMPLETED	USA	
5	Alpha Inc	ACME ONI	REFTEST01	4537	USD	BINAADADXXX	0,01	16-03-2021	12:45:00	PENDING	BINA	AD	REFTEST0145373	16/3/21 12:45	Delay	44,46	3	COMPLETED	ANDORA	
6	Alpha Inc	ACME ONI	REFTEST01	4537	USD	BSJUARBXXXX	0,02	18-03-2021	14:15:00	COMPLETED	BSJU	AR	REFTEST0145373	18/3/21 14:15	Delay	88,04	3	COMPLETED	ARGENTINE	
7	Alpha Inc	ACME PRI	REF211	1 000 000,00	USD	CHASUS3AXXX	0,01	02-11-2021	08:34:00	NEW	CHAS	US	REF21110000006	2/11/21 8:34	Delay	10 000,00	11	COMPLETED	USA	
8	Alpha Inc	ACME PRI	REF211	1 000 000,00	EUR	AGRIFRPPXXX	0,015	03-11-2021	12:40:00	PENDING	AGRI	FR	REF21110000006	3/11/21 12:40	Delay	14 850,00	11	COMPLETED	France	
9	Alpha Inc	ACME PRI	REF211	1 000 000,00	EUR	REDJBY22XXX	0,015	03-11-2021	17:34:00	COMPLETED	REDJ	BY	REF21110000006	3/11/21 17:34	Delay	14 627,25	11	COMPLETED	BELORUS	
10	Alpha Inc	ACME TRA	REF211	11 000,00	USD	CHASUS3AXXX	0,02	16-03-2021	09:16:00	NEW	CHAS	US	REF211110009	16/3/21 9:16	Less than 24h	220,00	3	COMPLETED	USA	
11	Alpha Inc	ACME TRA	REF211	11 000,00	USD	AGRIFRPPXXX	0,01	16-03-2021	12:32:00	COMPLETED	AGRI	FR	REF211110009	16/3/21 12:32	Less than 24h	107,80	3	COMPLETED	France	
12	Alpha Inc	ACME TRU	REF21	23900	USD	CHASUS3AXXX	0,02	16-03-2021	10:11:00	NEW	CHAS	US	REF212390011	16/3/21 10:11	Less than 24h	478,00	3	DELIVERED	USA	
13	Alpha Inc	ACME TRU	REF21	23900	EUR	AGRIFRPPXXX	0,03	16-03-2021	17:34:00	DELIVERED	AGRI	FR	REF212390011	16/3/21 17:34	Less than 24h	702,66	3	DELIVERED	France	
14	Alpha Inc	ACME TW	REF111	5643	USD	CHASUS3AXXX	0,02	20-03-2021	13:14:00	NEW	CHAS	US	REF111564313	20/3/21 13:14	Less than 24h	112,86	3	COMPLETED	USA	
15	Alpha Inc	ACME TW	REF111	5643	USD	BINAADADXXX	0,01	21-03-2021	12:34:00	COMPLETED	BINA	AD	REF111564313	21/3/21 12:34	Less than 24h	55,30	3	COMPLETED	ANDORA	
16	Alpha Inc	ALT INC	REFD202102	4569	USD	CHASUS3AXXX	0,02	21-02-2021	10:23:00	NEW	CHAS	US	REFD202102456915	21/2/21 10:23	NotCompleted	91,38	2	PROCESSING	USA	
17	Alpha Inc	ALT INC	REFD202102	4569	USD	AGRIFRPPXXX	0,01	21-02-2021	11:43:00	PROCESSING	AGRI	FR	REFD202102456915	21/2/21 11:43	NotCompleted	814,20	2	PROCESSING	France	
18	Alpha Inc	ALT INC	REFD202102	4569	USD	REDJBY22XXX	0,08	21-02-2021	17:02:00	PROCESSING	REDJ	BY	REFD202102456915	21/2/21 17:02	NotCompleted	814,20	2	PROCESSING	BELORUS	



# Challenges

Getting beyond and above





## ● Planning

Trello made it clear and easy. Whenever we missed clarity Trello was a way of quantifying project progress by setting up project milestones.

## ● Time management

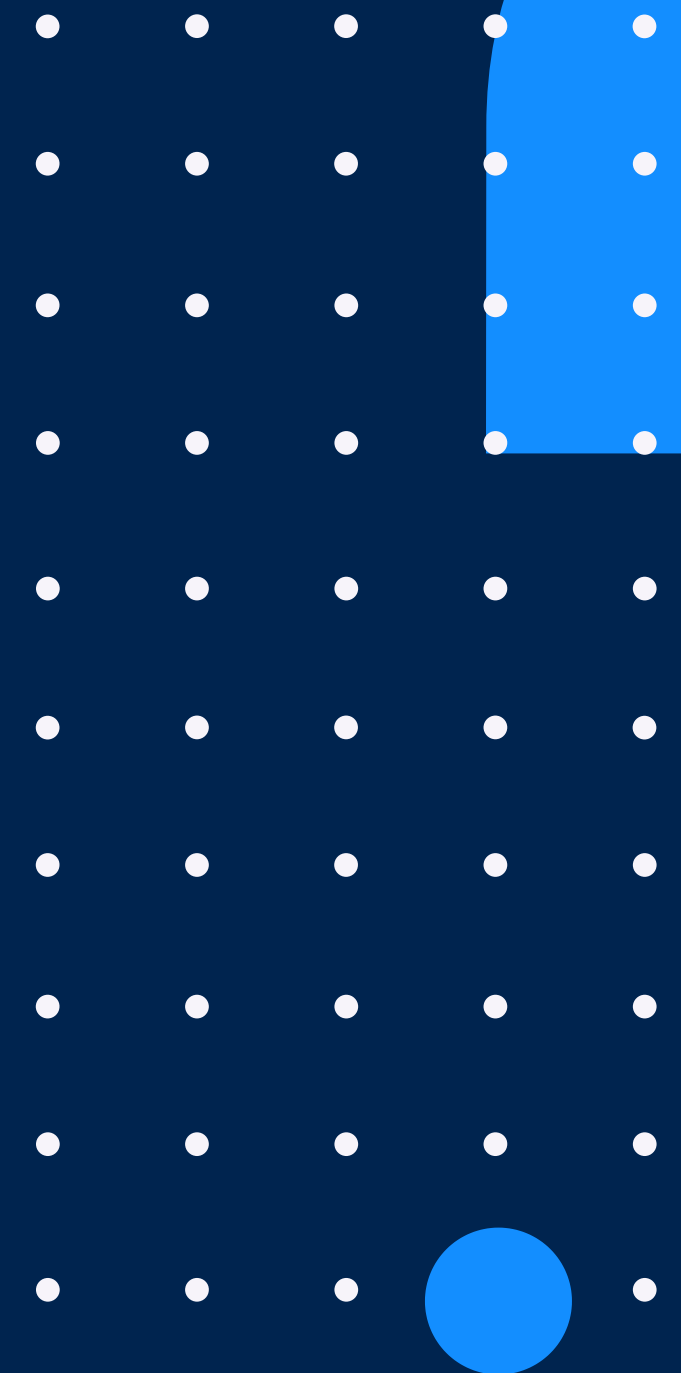
Withing our group, each team player had enhanced skills in one field at a time. It made it hard to collaborate simultaneously.

## ● Skill overlap

find the right balance of skills, when the team needs to adjust to new projects or requirements (Nesma)

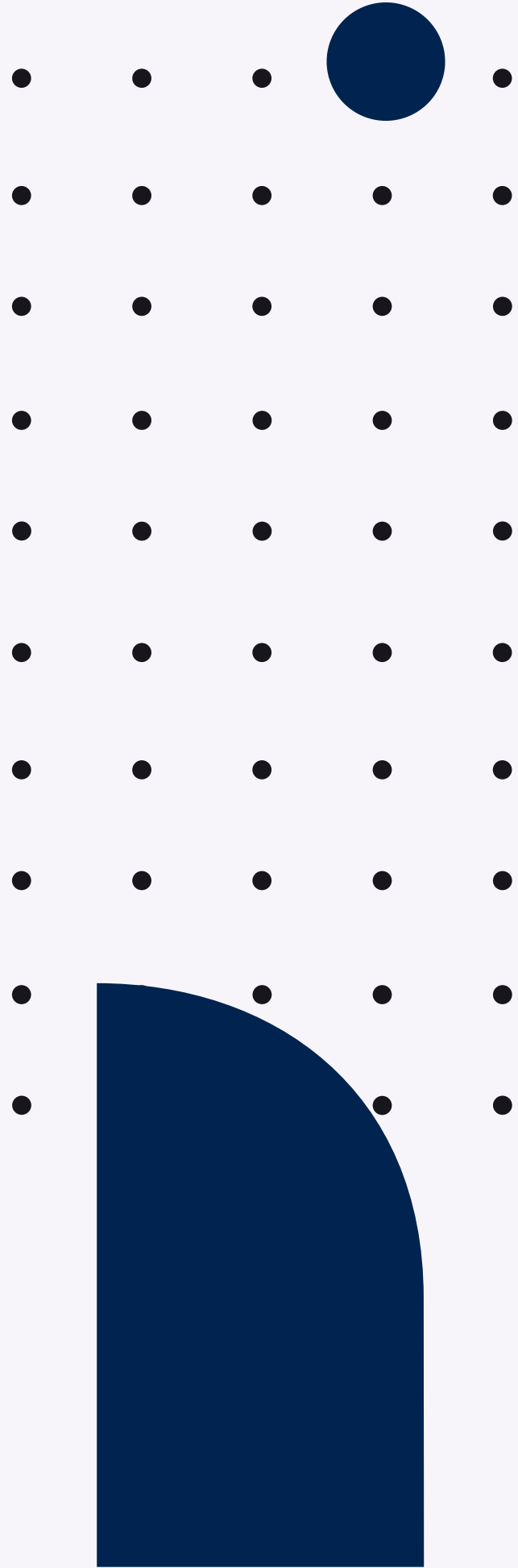
## ● Unrealistic expectations

Going with the idea of having it all right from the first try, and then be faced with frustration of things not going the way we wanted





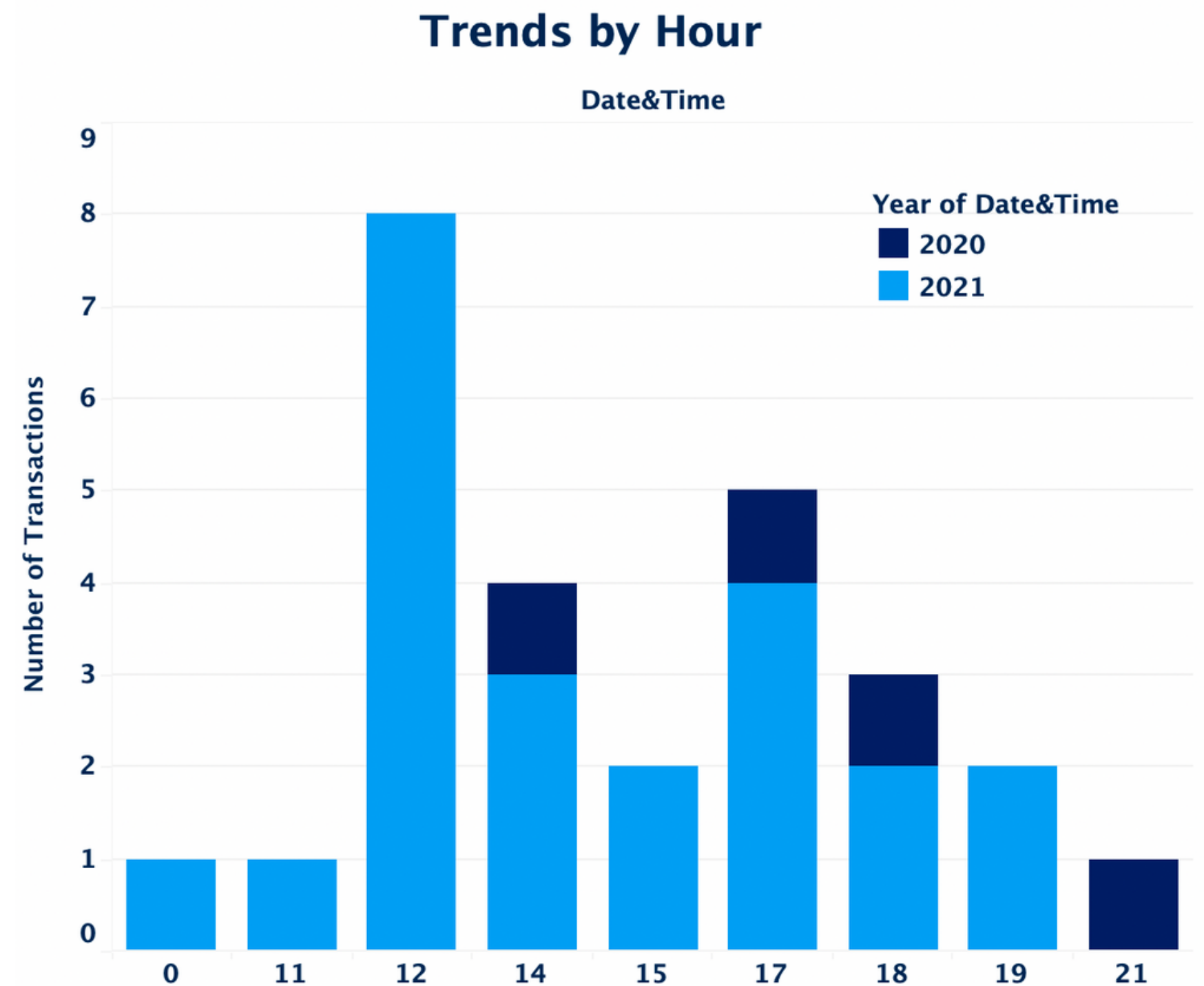
# Visualize Pay**LOCATOR**'s milestones



# Trends of Daily Transactions

To better track the activity

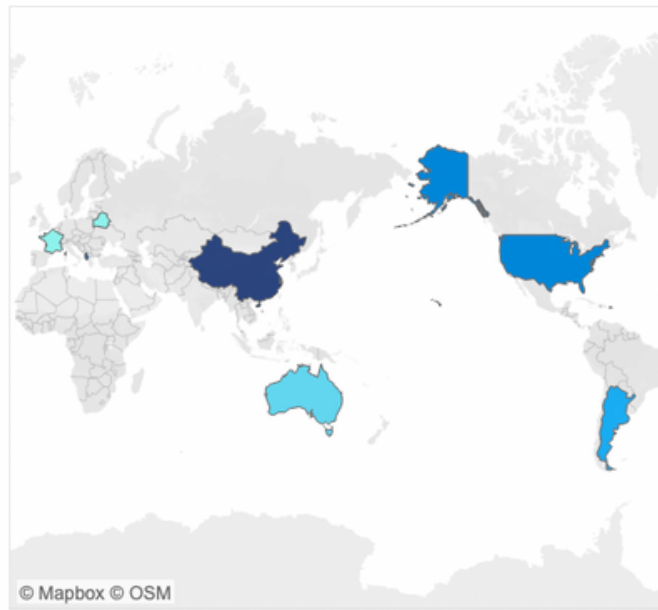
We have come to see the daily trends. As is shown in the graph most of the transactions are completed at 12 or 5pm. Whereas the new ones are issued at 8 am or 5 pm



DEMO



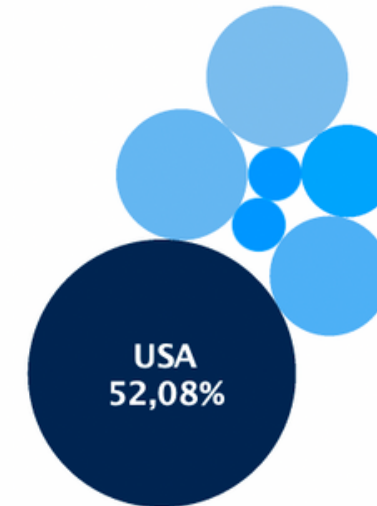
# Transactions Tracked by payLOCATOR



Average Transaction Time Per Country

Count..	
ALBANIE	2.50
AUSTRALIE	13.50
CHINA	13.60
France	21.13
BELORUS	22.36
USA	23.36
ARGENTINE	44.50
ANDORA	45.11

Probability of delay



Issues in correspondence chain

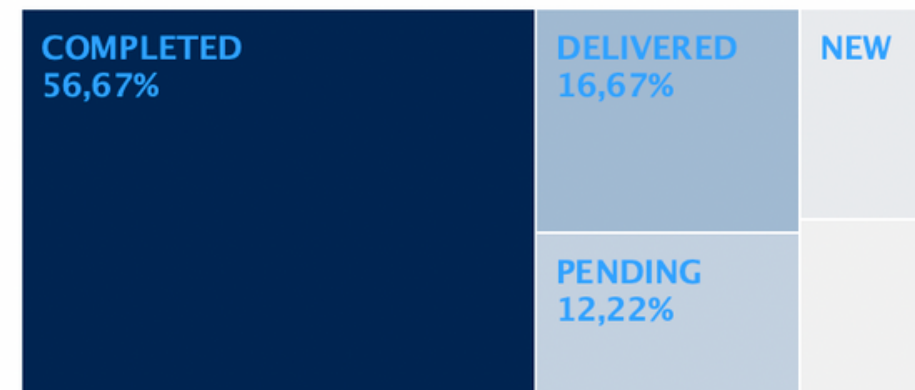
# of Issues Repo.	BankName / Country_full				
	AGRI	BINA	BSJU	CHAS	REDJ
France	2				
ANDOR..		3			
ARGE..			1		
USA				8	
BELOR..					3

90 Transaction Tracked

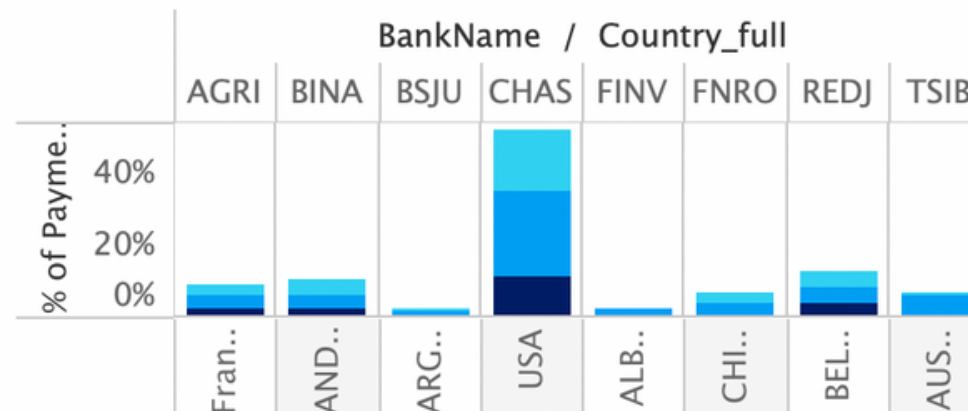
Averaging 22.78 Hours Transaction Time

Across 8 Countries

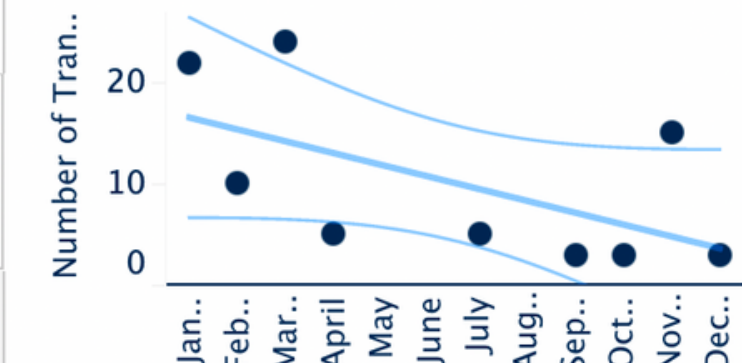
Payment Status Forecast



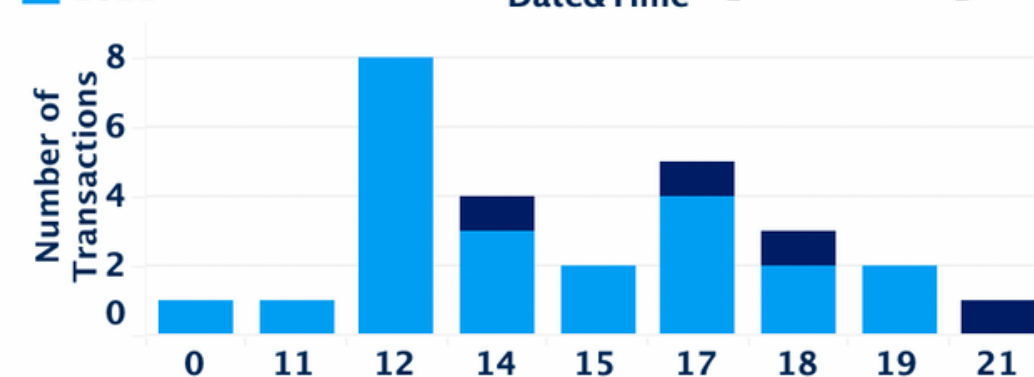
Troubles forecast



Forecasting number of transactions



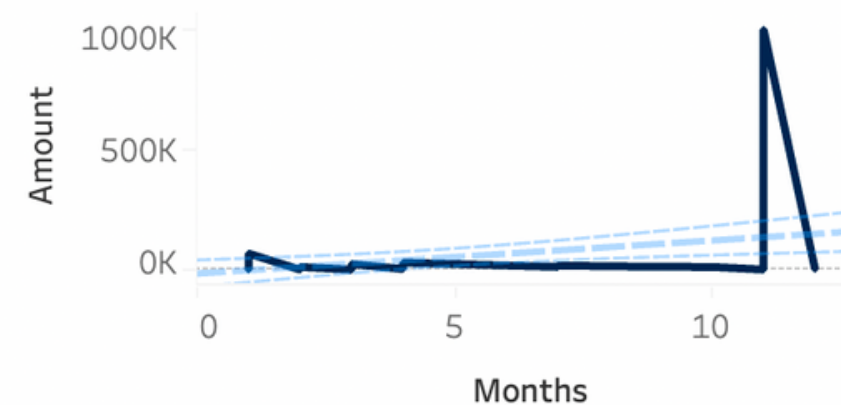
Year of Date&Ti..



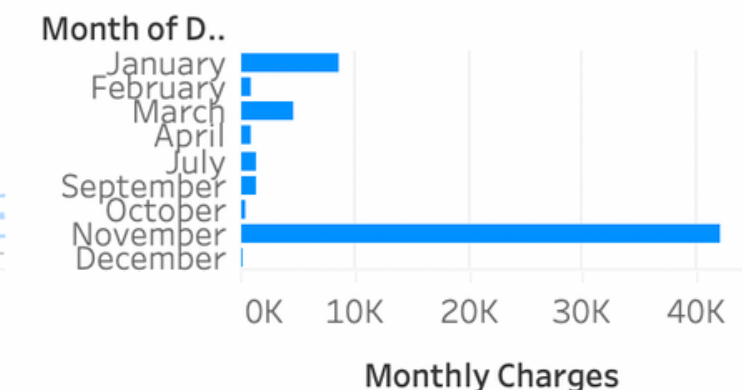
Trends by Hour

Year of Date&Ti..

Transaction amount forecast



Monthly charges



**Talk to us!**

