

June 2022 – Sjoerd van der Zee

FINDING YOUR WAY THROUGH THE SPAGHETTI OF COMPLEXITY



INTRODUCING AGCO FINANCE



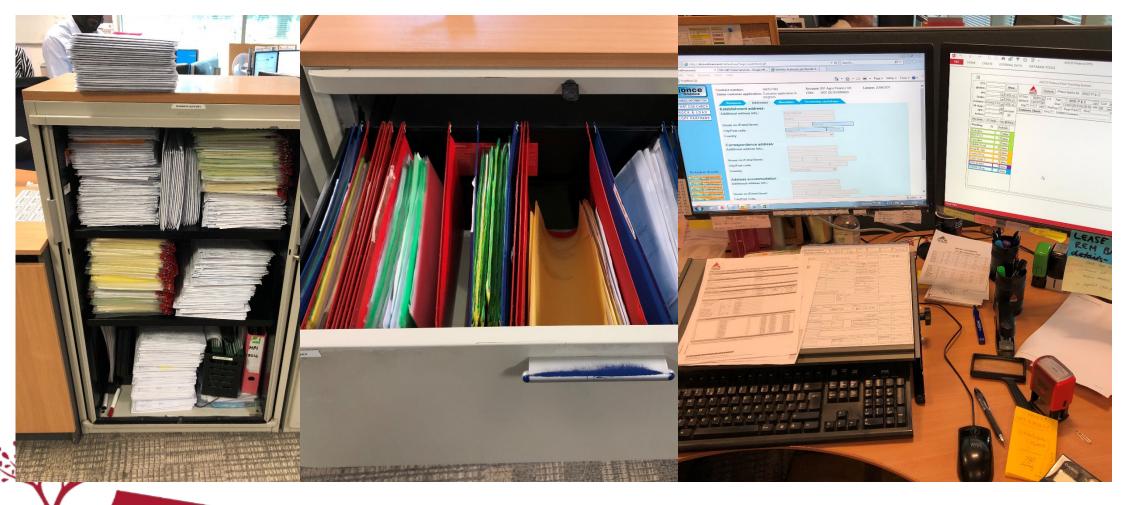








FUNCTIONAL DOMAIN OPERATIONS





'PROOF OF CONCEPT': ONE DATASET, ONE MARKET!

1 A			
DealTackin	В		
100008-204-	Deale		
3 100008-201028-154100	F TaskNamo		
4 100008-2005-154400	100008 5		Н
4 100008-201028-154400 5 100008-201028-154400	100008 4		Staus
5 100008-201028-154400 6 100008-201028-155000	100008 At credit decision 100008 Check Point 1		10/28/2020 StartTime EndTime Tasks to
6 100008-201207-152000 7 100008-201207	100008 Automatic credit approval		10/28/2020 15:41:00 15:44:00 TaskEndDate
7 100008-201211-112200 8 100008-201211	100008 At payout		10/28/2020 15:44:00 15:44:00 TaskEndDate
8 100008-201211-112200 9 100008-210120			10/28/2020 15:44.00
9 100008-210129-151900 10 100008-210129-151900			10/28/2020 15.50:00 15:50:00
10 100008-210129-151900 11 100008-210129-155300	100008 Check Point 2		12/7/2020 15:20:00 15:20:00
11 100008-210129-155300 12 100008-210129-155300	100000 Check Point 2		12/11/2020 11:22:00 12/7/2020
12 100008-210201-81900 13 100008-210201	100008 Activated ILS		12/11/2020 11:22:00 11:22:02
13 100008-210201-81900 14 100015-201000	100008 Check Point 3		1/29/2021 15:10:00 15:10:00
14 100015-201006-123100 15 100015-201006	100008 Archived without		1/29/2021 15:19:00 15:53.00 1/29/2021
15 100015-201006-123100 16 100015-201006-123100	100008 Archived without missing docum 100008 Paid out 100015 Automatic		
16 100015-201006-123100 17 100015-201016-123500	100015 Automatic credit approval	ents	2/1/202 15:53:00 15.53 2/1/2021
17 100015	100015 Submitted		
18 100015 - 1019-100800			2/1/2021 8:19:00 1/29/2021 10/6/2020 13:30 8:19:00 2/1/2021
	100015 FP check	1	
19 100015-201019-101000 20 100015-201019-160300		1	10/6/2020 8:19:00 8:19:00 2/1/2021 0/6/2020 12:31:00 12:35:00 2/1/2021 0/6/2020 12:31:00 12:35:00 10/6/2020
27 10000	00015 Check Point 2	41	10/0/2020
21 100015-201019-160500 100015-201019-160700	00015 Activated ILS	10/	19/2020 12:35:00 8:13:00 10/6/2020 19/2020 10:08:00 10:10:00
43 10004	0015 Charles	10/	19/2020 10:08:00 10:10:00 19/2020 10:10:00 10:10:00
24 100 201020-85200 100	0015 Check Point 3 0015 At payout	10/1	19/2020 10:08:00 10/19/2020 19/2020 10:10:00 10:10:00 10/19/2020 16:03:00 10/19/2020
24 100015-201020-85200 100 25 100029-201005 100	At payout 1015 Archived without missing documents 129 Submitted	-0/ L	10.05.00
25 100029-201006-134700 1000 26 100029-201007 1000	O15 Archived without mi	10/19	1/2020 16:07:00
26 100029-201007-113100 1000 27 100029-201007 113100	015 Paid out missing documents	-0/19	
27 100029-201007-113100 1000 28 100029-201007-113800 1000	29 Submitted	10/20/	2020 10:08:00
1000000 - 113800		10/20/	
29 100029-201007-115000	29 Submitted	10/6/2	6.52:00 - 10/20/200
100020 340		10/7/2	13:47:00 14 10/20/2020
100029 245 100029	Check Point 1	10/7/20	
100020 340		10/7/20	020 11:38:00 11:50:00 10/7/2020
10000		10/7/20	20 11:50:00 11:50:00 10/7/2020 10:50:00 11:50:00 10:7/2020
100020	Check Point 2 FP check	1/11/202	11:50:00 10/7/202-
100029	Day Out 1	1/11/202	11:39:00 11:39:00 1/11/2021
	rP check Pay out documents generated	1/12/202	11:06:00
	scrierated	1/12/2021	11:06:00 11:06:00 1/12/2021 11:06:00 11:06:00 1/12/2021
		1/12/2021	11:06:00 1/12/2021 11:06:00 1/13/2021
			11:06:00 11:06:00 1/12/2021 11:06:00 11:23:00 1/12/2021







MY PROCESS MINING 'PROJECT' CHECKLIST

- 1. DATA EXTRACTION
- 2. DATA VALIDATION
- 3. PROCESS DISCOVERY
- 4. DESIGN RESEARCH QUESTIONS
- 5. MEASURE, ANALYZE & REFINE
- 6. WRAP-UP



NO ISSUES WITH THE DATA EXTRACTION AND VALIDATION

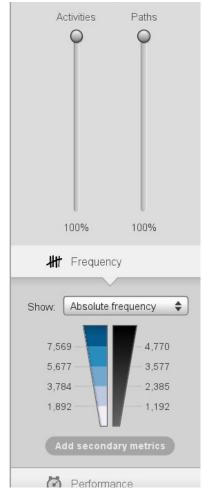
- Data was readily available, it just had to be "exported to Excel".
- Exported everything that got recorded, one cannot ask for the unknown!
 - The format matched Disco's requirements: one line item = activity.
 - First import to Disco.
 - Made the necessary alterations to the data.

	Е	F	G	Н	J	K	L	R	
1	CompletedI	TaskName	StartDT	EndDT	StartDate 🔻	StartTin ▼	EndTin ▼	TaskEndD 🔻	Tasl
235	0	Check Point 1	08-10-2020 16:24:00	00-01-1900 00:00:00	10/8/2020	16:24:00			
330	0	Check Point 1	15-10-2020 11:09:00	00-01-1900 00:00:00	10/15/2020	11:09:00			
471	0	Check Point 1	29-10-2020 14:13:00	00-01-1900 00:00:00	10/29/2020	14:13:00			
1399	0	Checkpoint 1	02-12-2020 19:40:00	00-01-1900 00:00:00	12/2/2020	19:40:00			
1488	0	Automatic credit approval	16-10-2020 20:30:00	00-01-1900 00:00:00	10/16/2020	20:30:00			
1513	0	Automatic credit approval	06-11-2020 14:42:00	00-01-1900 00:00:00	11/6/2020	14:42:00			
1714	0	Check Point 1	13-10-2020 14:15:00	00-01-1900 00:00:00	10/13/2020	14:15:00			
1829	0	FP check	04-11-2020 15:15:00	00-01-1900 00:00:00	11/4/2020	15:15:00			
1223	0	Automatic credit approval	10-10-2020 14-31-00	∩∩-∩1-19∩∩ ∩∩·∩∩·∩∩	10/10/2020	14.31.00			



WHERE DO WE GO FROM HERE?



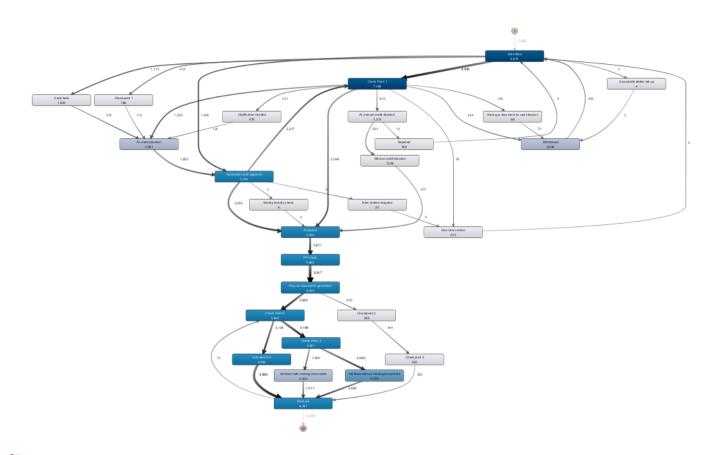


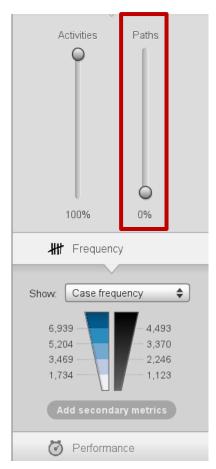




DISCOVER BY SIMPLIFYING THE COMPLEXITY



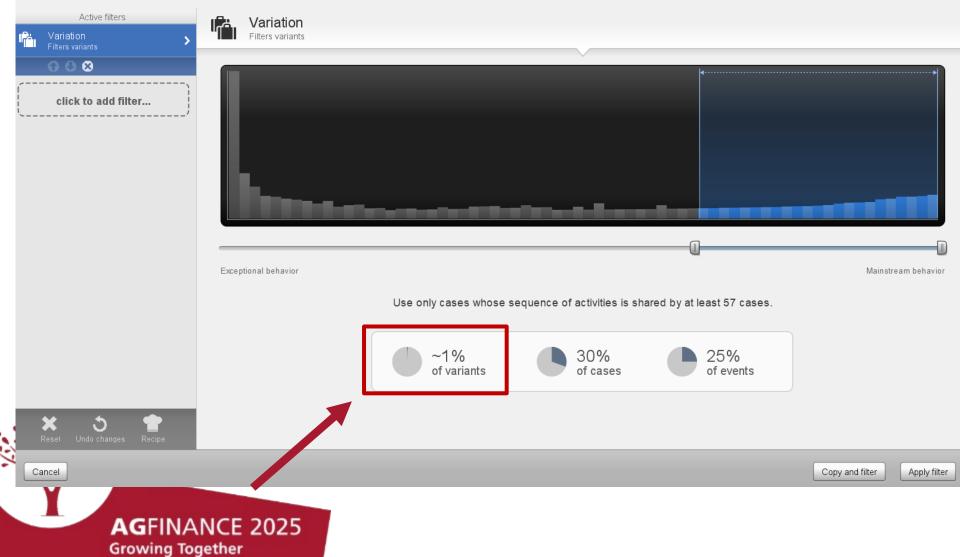






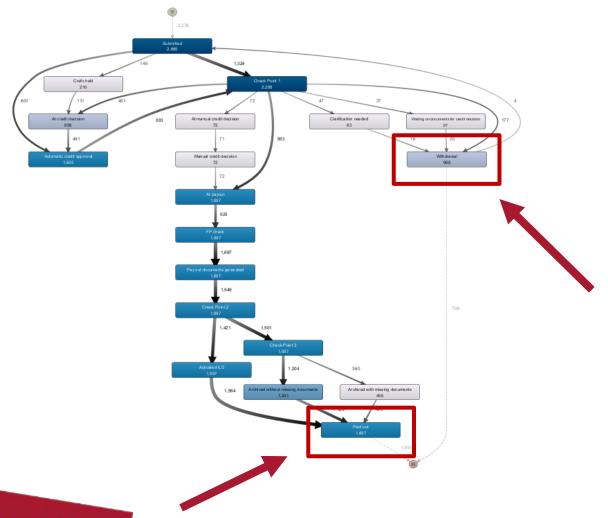


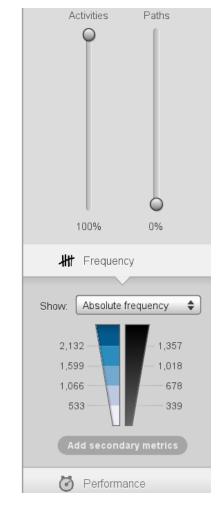
UNRAVEL YOUR 'MAIN' FLOW





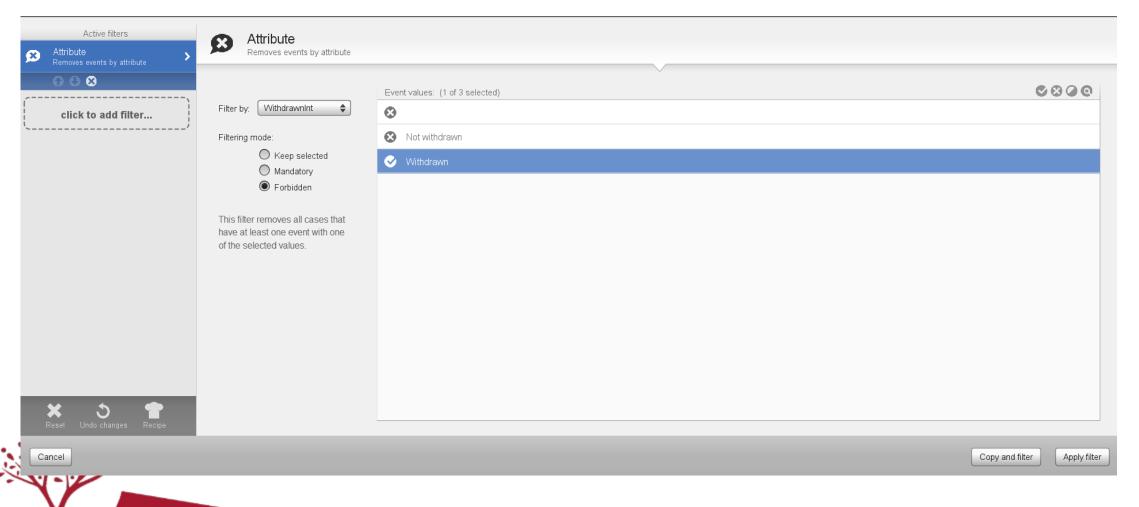
ONE PROCESS ENDS AT 'PAID OUT' AND ANOTHER ONE ENDING AT 'WITHDRAWAL'







FILTER ON DEALS THAT HAVE NOT BEEN WITHDRAWN

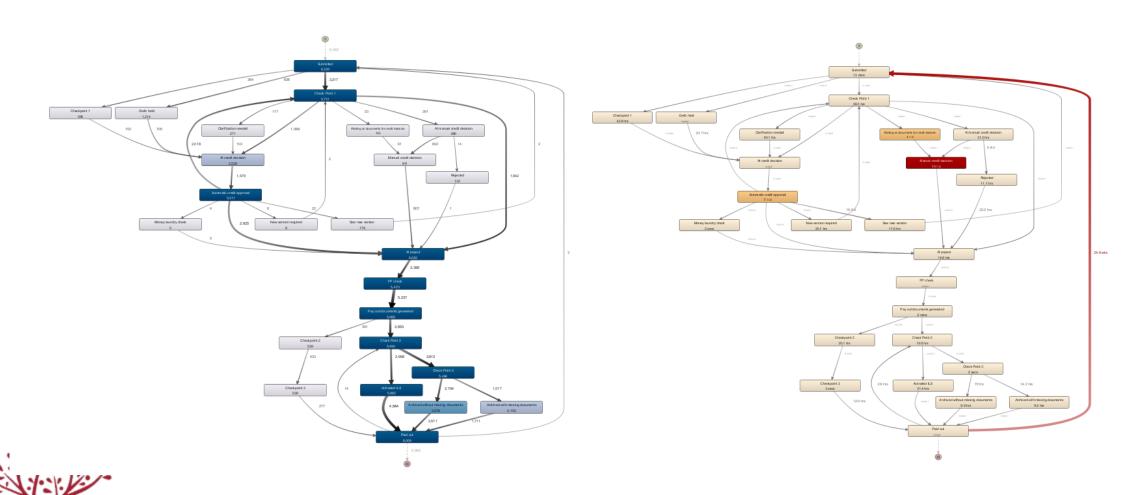




AGFINANCE 2025

Growing Together

REVIEW CHARTS AND USE 'COMMON SENSE'





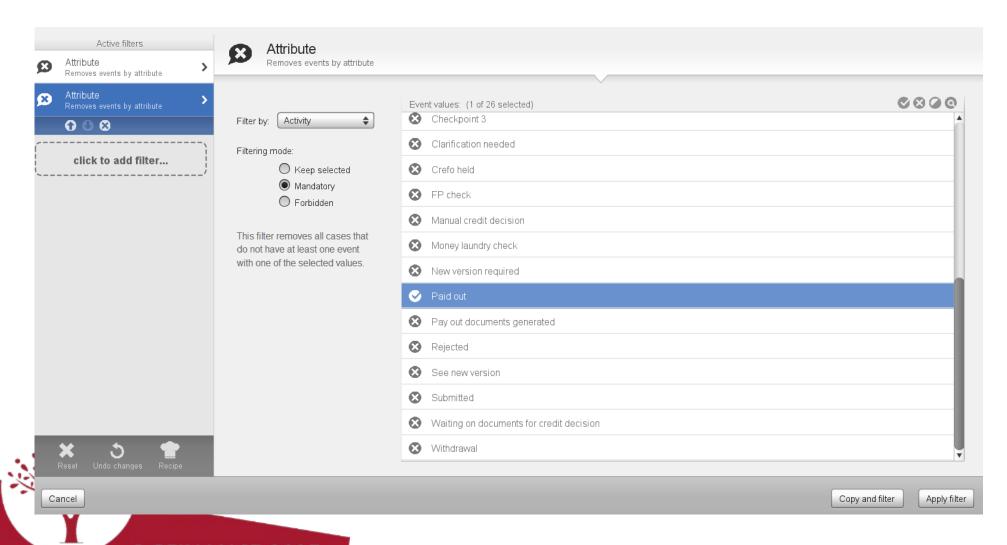
AGFINANCE 2025

DRAFT RESEARCH QUESTIONS

Question	Flow / Performance
How many deals (if any) are 'paid out' without any of the assumed mandatory statuses?	Flow
What's the percentage of 'auto' vs. 'manual' credit decisions?	Flow
What happens to deals that have duplication in tasks?	Flow
How long before 'checkpoint 1' is marked for the first time?	Performance
How long before deals are 'paid out'?	Performance
Do deals get passed to 'at pay-out' when put in 'withdrawn'?	Flow
Does the 'checkpoint 2' processing time exceed 4 hours?	Performance
What portion of the deals get passed to 'withdrawn' status within 21 days from 'submitted'?	Performance

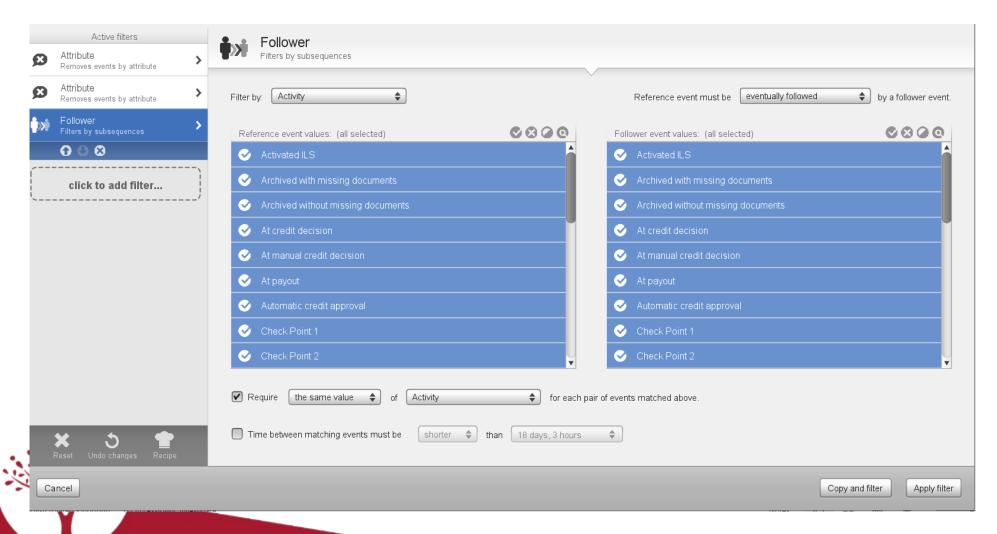


DEALS REQUIRE THE 'PAID OUT' ACTIVITY



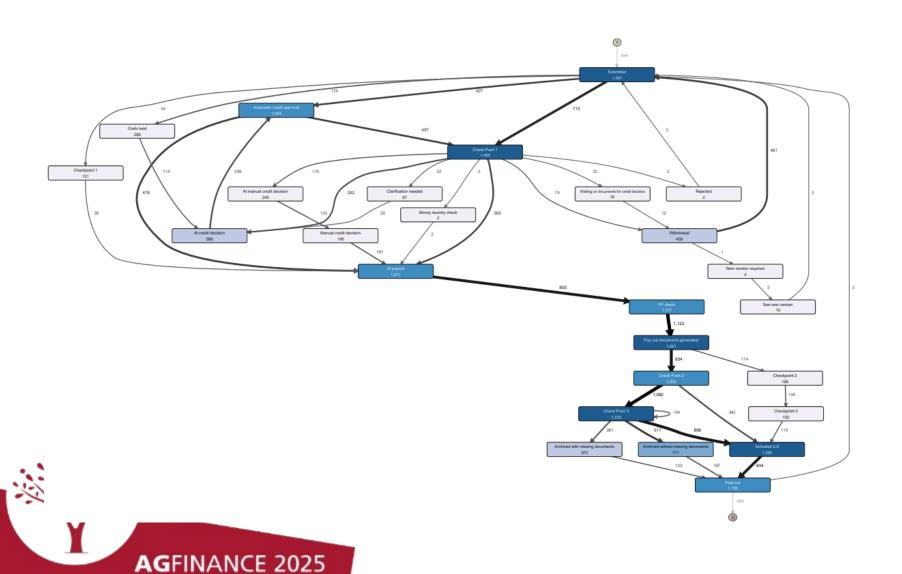


HIGHLIGHT DUPLICATION OF ACTIVITIES (REWORK)





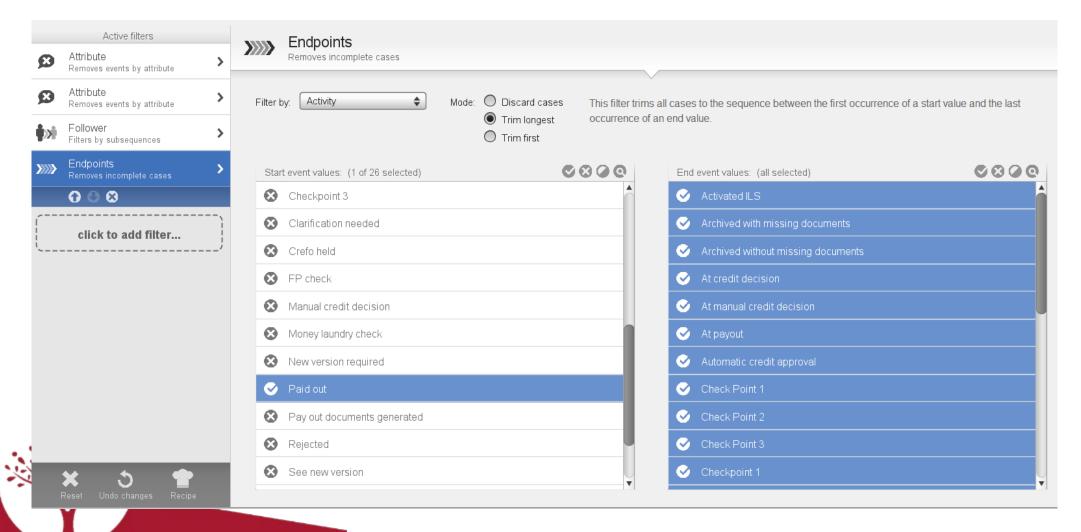
WHERE DO TASKS COME BACK MORE THAN ONCE?





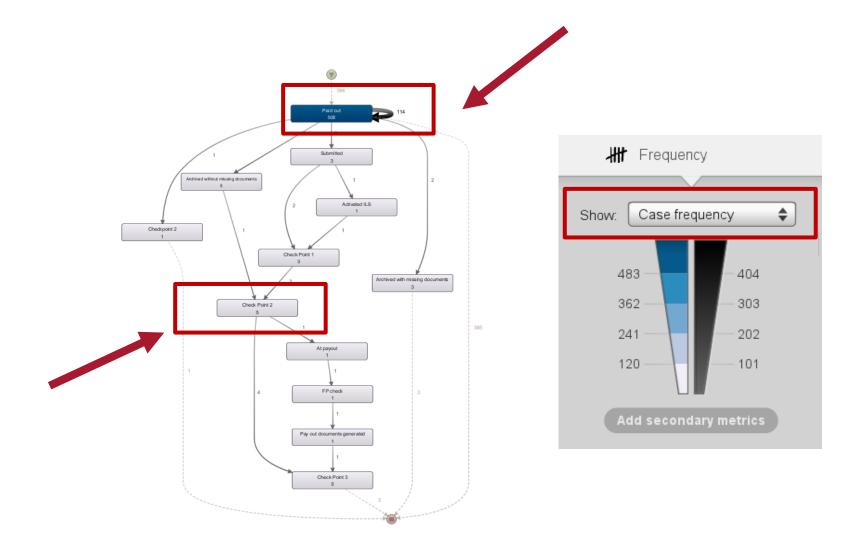
Growing Together

WHAT ATTRIBUTES TO THE REWORK OF THE 'PAID OUT' ACTIVITY?



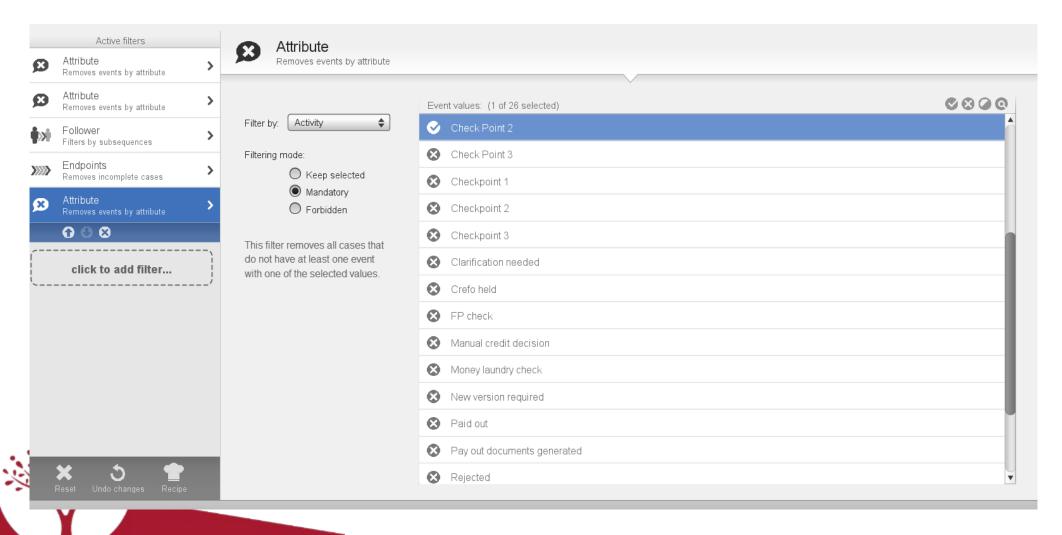


WHAT HAPPENS AFTER PAID-OUT?



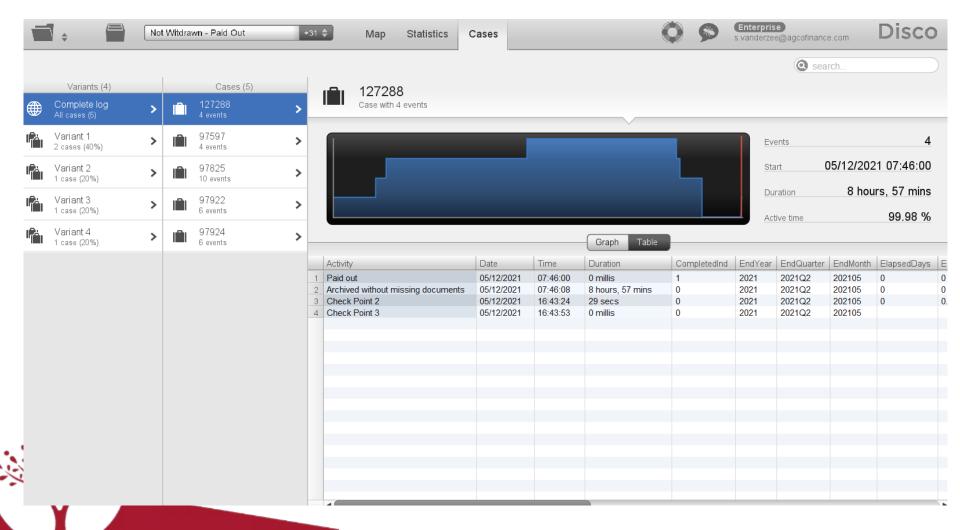


DEALS GOING BACK TO CHECK POINT 2 AFTER PAID OUT





SHARE DEAL NUMBERS WITH THE BUSINESS FOR FURTHER ANALYSIS





KEY TAKE AWAYS

- Make lasagna from spaghetti by using the 80 20 rule.
- Answering one question will generate new (additional) questions.
- Keep on asking the 'why' question until there are no further questions.
- Feedback from subject matter experts is required to get to the right level of detail.
- Manage expectations: getting 'to the interesting stuff' requires multiple iterations.





LESSONS LEARNED FOR AGCO FINANCE

Improve/standardize recording of the event logs.

A 'standard' way of working also improves the data quality.

It's not just about measuring the 'average', consider the 'median' as well.

Process mining could be the first step to track and measure a business process.





THANK YOU