Excluded observations: SRFQ (subRequests contain 2 or more inquiries)

TASK #1

We wish to see the distribution of sublists and subPTs as follows: a sublist or subPT consists of all groups of inquiries in a request that shares the exactly the same requested quantity. E.g., if a PT has 3 inquiries, each w different quantities, then there are 3 subPTs in the PT, and if all three shares the same quantity, then there's 1 subPT. Please provide the histogram(s) and sum stats tables of sublists and subPTs by the number of inquiries in each, perhaps overlapping for easy comparison.

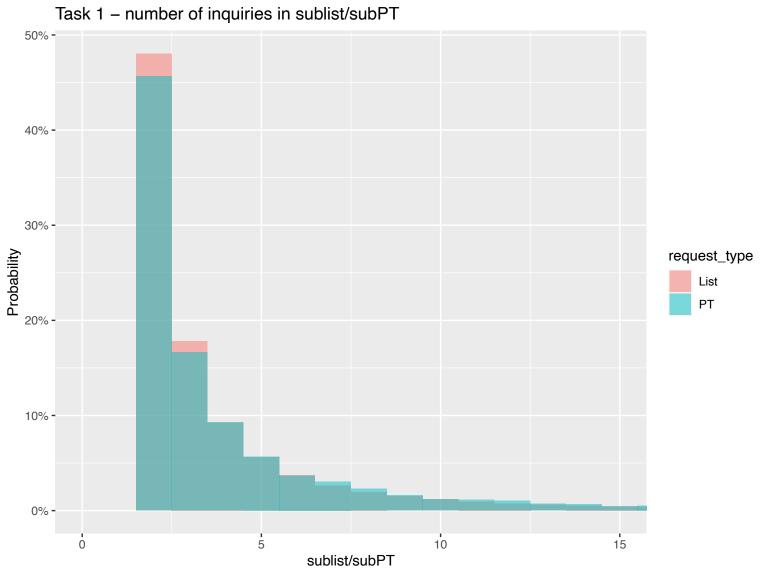
TASK #2

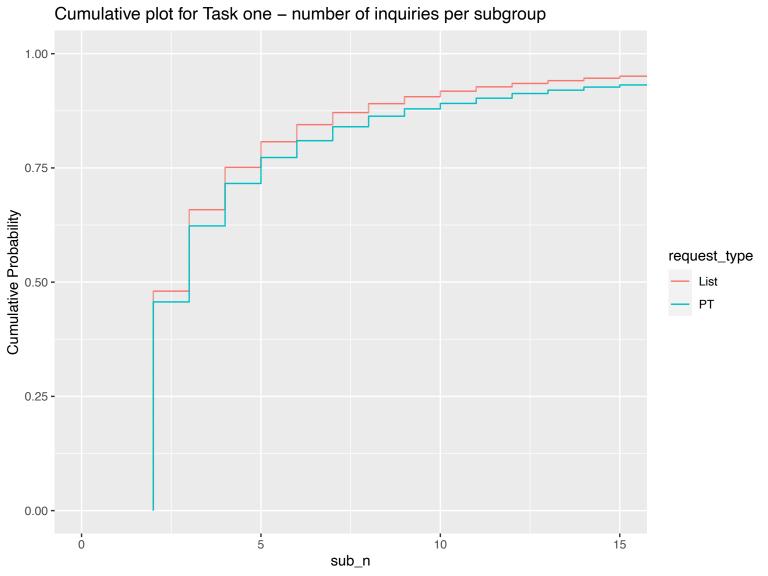
We want to know the proportion of each list or PT that are in nonsingleton sublists or subPTs. To do this, compute for each request the percent of inquiries that has at least one other inquiry in the same request that has the same request quantity. Then create histograms and sum stats tables as in 1.

The first 6 plots and tables are for the non-filtered version of requests, the second 6 plots and tables are for requests filtered by number_assets >= 10.

The code that led to this report can be found here:

https://github.com/DavidM199/Portfolio Trades/blob/main/R/sublist subPT.R





Sum stats Task 1 – number of inquiries per subgroup

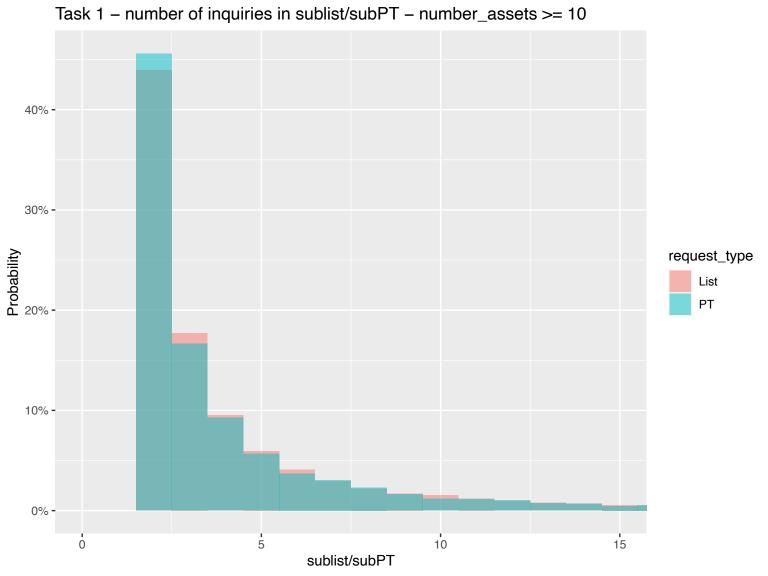
	request_type	Mean	SD	p1	p5	p10	p50	p90	p95	p99
1	List	4.857	6.753	2	2	2	3	9	15	44
2	PT	6.454	17.402	2	2	2	3	11	20	63

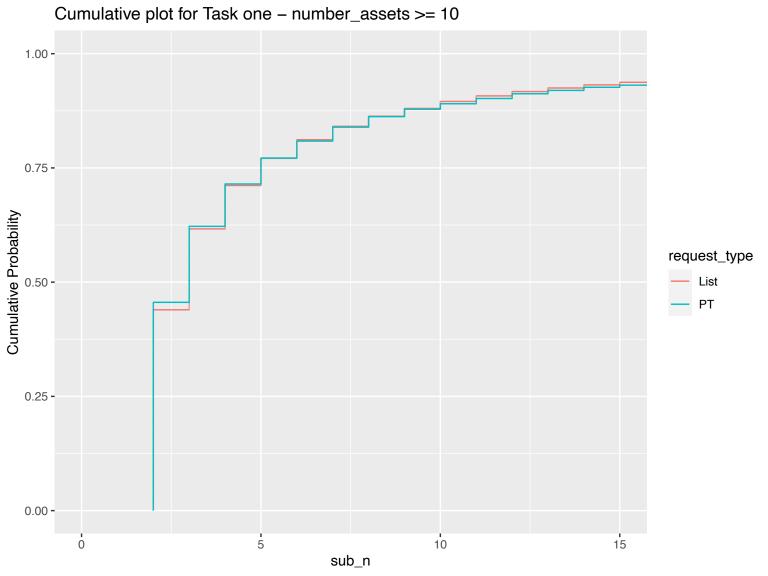
Task 2 – percent of nonsingletons for each request 30% -20% -Probability request_type List PT 10% -0%-0.25 0.00 0.50 0.75 1.00 sublist/subPT

Task 2 - Cumulative Probability 100% -75% -Cumulative Probability request_type List 50% - PT 25% -0% -0.75 1.00 0.25 0.50 0.00 percentage

Sum stats Task 2 – percent of nonsingletons per request

	request_type	Mean	SD	p1	p5	p10	p50	p90	p95	p99
1	List	0.484	0.400	0	0	0.000	0.500	1.000	1	1
2	PT	0.600	0.335	0	0	0.062	0.667	0.981	1	1





Sum stats Task 1 – number of inquiries per subgroup

	request_type	Mean	SD	р1	р5	p10	p50	p90	p95	p99
1	List	5.424	7.486	2	2	2	3	11	18	47
2	PT	6.478	17.457	2	2	2	3	11	20	63

Task 2 – percent of nonsingletons for each request – number_assets >= 10 15% -Probability - %01 request_type List PT 5% -0%-0.25 0.00 0.50 0.75 1.00 sublist/subPT

Task 2 – Cumulative Probability – number_assets >= 10 100% -75% -**Cumulative Probability** request_type List 50% -PT 25% -0% -0.75 0.50 1.00 0.25 0.00 percentage

Sum stats Task 2 – percent of nonsingletons per request

	request_type	Mean	SD	р1	р5	p10	p50	p90	p95	p99	
1	List	0.646	0.313	0	0.000	0.162	0.717	1.000	1	1	
2	PT	0.636	0.308	0	0.077	0.171	0.704	0.979	1	1	