











Exc	amp	ole					
Dataset	Total Sample s	Class 0	Class 1	Dataset	Total Sample s	Class 0	Class 1
Leukemia Morphology (train)	38	27 ALL	11 AML	Lymphoma Morphology	77	19 FSC	58 DLCL
Leukemia Morpholgy (test)	34	20 ALL	14 AML	Lymphoma Outcome	58	22 Low risk	36 High risk
Leukemia Lineage (ALL)	23	15 B-Cell	8 T-Cell	Brain Morphology	41	14 Glioma	27 MD
Lymphoma Outcome (AML)	15	8 Low risk	7 High risk	Brain Outcome	50	38 Low risk	12 High risk
Hierarchy of	diffici	ıltv:					

- 3. Lineage B-Cell vs. T-Cell, folicular vs. large B-cell lymphoma
- 4. Outcome: treatment outcome, elapse, or drug sensitivity

Results: part 1							
Dataset	Algorithm	Total Samples	Total error s	Class 1 errors	Class 0 errors	Number Genes	
Leukemia Morphology (trest)	SVM	35	0/35	0/21	0/14	40	
AML vs ALL	WV	35	2/35	1/21	1/14	50	
1	k-NN	35	3/35	1/21	2/14	10	
Leukemia Lineage (ALL)	SVM	23	0/23	0/15	0/8	10	
B vs T	WV	23	0/23	0/15	0/8	9	
	k-NN	23	0/23	0/15	0/8	10	
Lymphoma FS vs DLCL	SVM	77	4/77	2/32	2/35	200	
	WV	77	6/77	1/32	5/35	30	
	k-NN	77	3/77	1/32	2/35	250	
Brain MD vs Glioma	SVM	41	1/41	1/27	0/14	100	
	WV	41	1/41	1/27	0/14	3	
	k-NN	41	0/41	0/27	0/14	5	

Results:	part	2
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Dataset	Algorithm	Total	Total	Class 1	Class 0	Number
		Samples	errors	errors	errors	Genes
Lymphoma	SVM	58	13/58	3/32	10/26	100
LBC treatment outcome	WV	58	15/58	5/32	10/26	12
	k-NN	58	15/58	8/32	7/26	15
Brain	SVM	50	7/50	6/12	1/38	50
MD treatment outcome	WV	50	13/50	6/12	7/38	6
	k-NN	50	10/50	6/12	4/38	5