1 SVD and PCA [35 Points]

Problem A [3 points]:

Solution A:

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Set 5	

Solution B:

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Problem C [5 points]:

Solution C:

Machine	Learning	& Data	Mining
Set 5			

Problem	D	[3	points]	:
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Solution D:

Machine Lea	rning &	Data	Mining
Set 5			

Problem	E	[3	pointsl:	
I IUDICIII	_	L	pomitoj.	•

Solution E:

Machine Learning & Data Mining	
Set 5	

Problem F [3 points]:

Solution F:

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Problem G [4 points]:	

Solution G:

Machine Learning & Data Mining	
Set 5	

P	ro	b.	lem	Н	[4	ł pc	in	ts]	:
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Solution H:

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Problem I [4 points]:	
Solution I:	

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Problem J [2 points]:	
Solution J:	

2 Matrix Factorization [30 Points]

Problem A [5 points]:

Solution A:

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Problem B [5 points]:		

Solution B:

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Problem C [10 points]:

Solution C: *See* 2*D.py and prob2utils.py for the solution code.*

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Problem D [5 points]:	

Solution D:

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Problem E [5 points]:	
Solution E:	

3 Word2Vec Principles [35 Points]

Problem A [5 points]:

Solution A:

Machine Learning	& Data	Mining
Set 5		Ü

Problem B	[10	points]:
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Solution B:

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Problem C [3 points]:	
Solution C:	

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Problem D [10 points]:

Solution D: *See solution code in P3C.py*

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Problem E [2 points]:	
Solution E:	

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Problem F [2 points]:	
Solution F:	

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Problem G [1 points]:	
Solution G:	

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