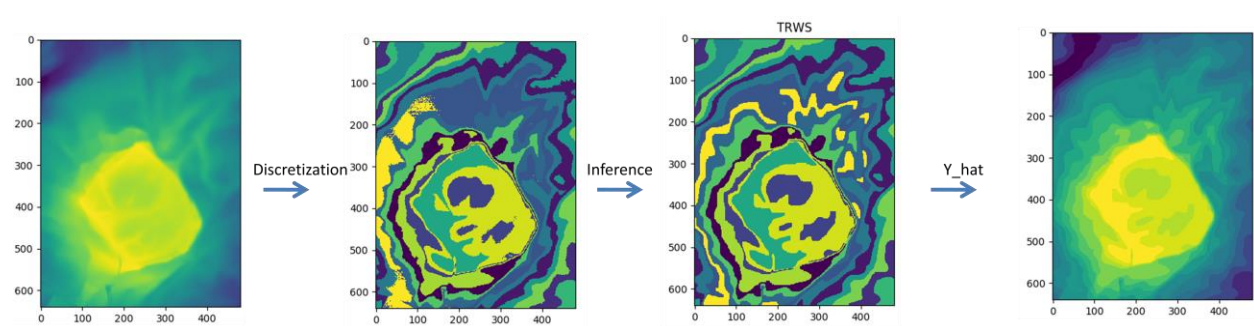


# Experimental results 23/11/2017

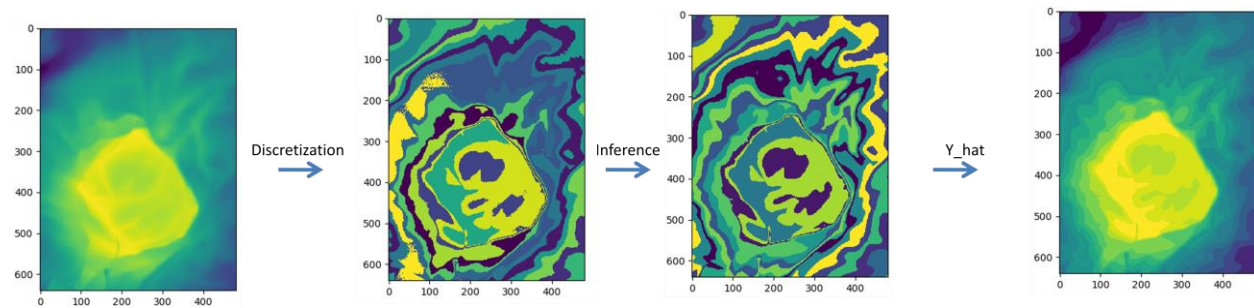
**Note:** X-means clustering outputs 16 clusters based on Bayesian Information criterion

Clusters	Unary potential	Energy	Bound	Time	Inference	MSE (spatial regularisation)	MSE (After Spline regression)
16	L2 norm	2799564.211	2799564.211	562.150887	TRWS	0.087881177	0.006581554
16	L1 norm	77766035.65	77766035.65	61.97130489	TRWS	0.086809411	0.006581554
16	Trunc L1 norm	77635120.4	77635120.4	68.2366	TRWS	0.086589682	0.006581554
16	Trunc L2 norm	2826694.339	2826694.339	1108.754432	TRWS	0.087834305	0.006581554
16	max norm	260515.9684	260488.1438	7896.681573	TRWS	0.195422231	0.006581554
16	canberra distance	1579158.082	1579158.082	1535.949116	TRWS	0.090205609	0.006581554

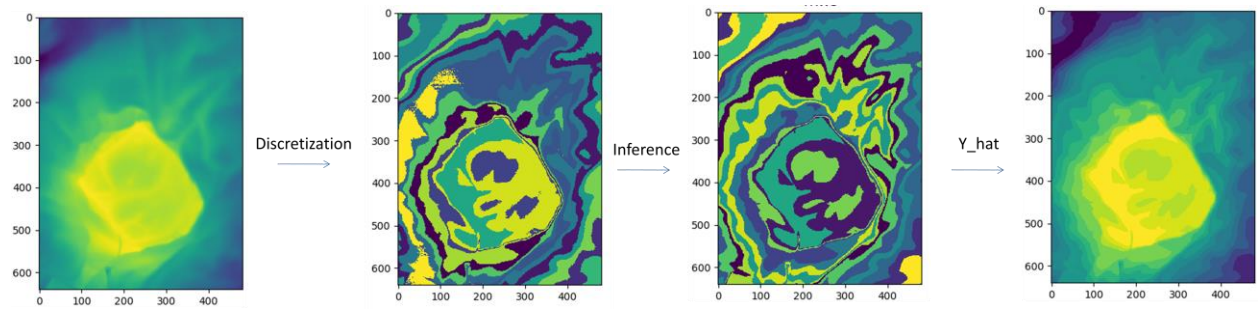
L2 Norm



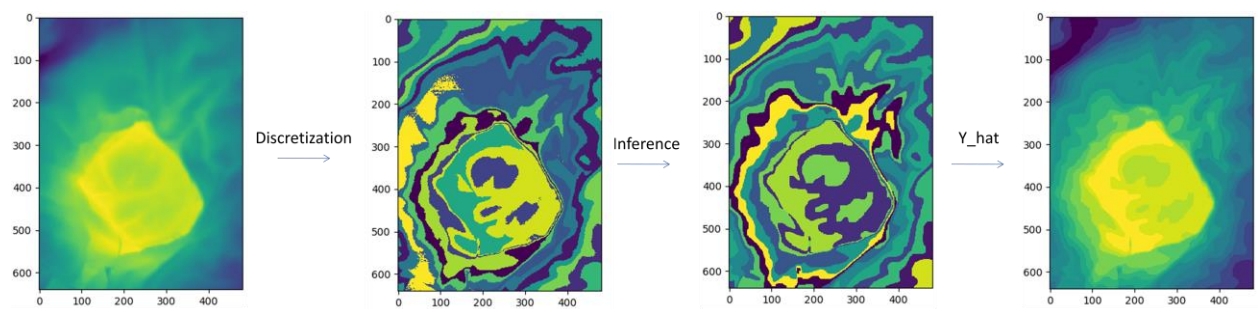
L1 Norm



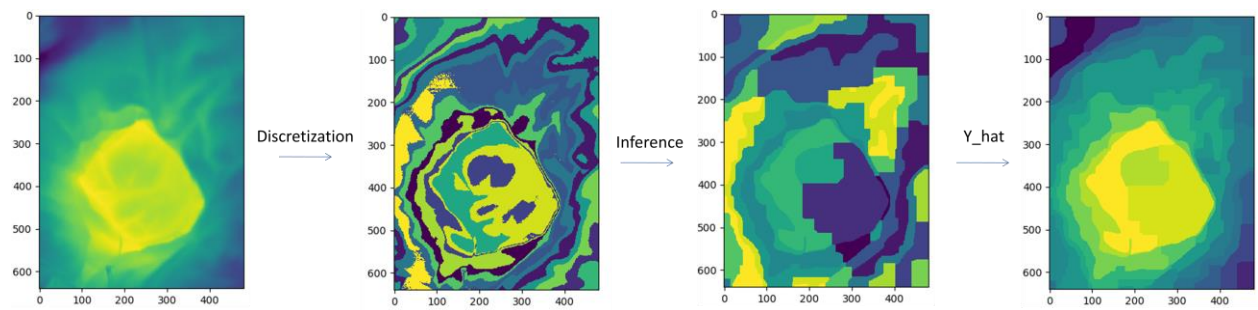
### Trunc L1 Norm



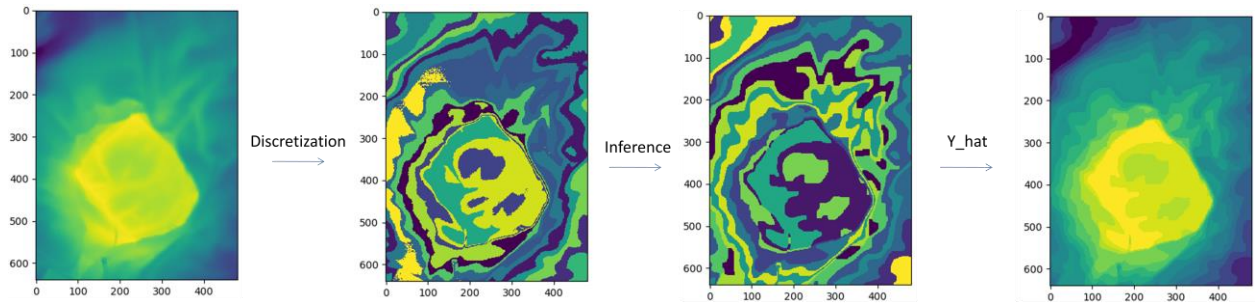
### Trunc L2 Norm



### Max norm

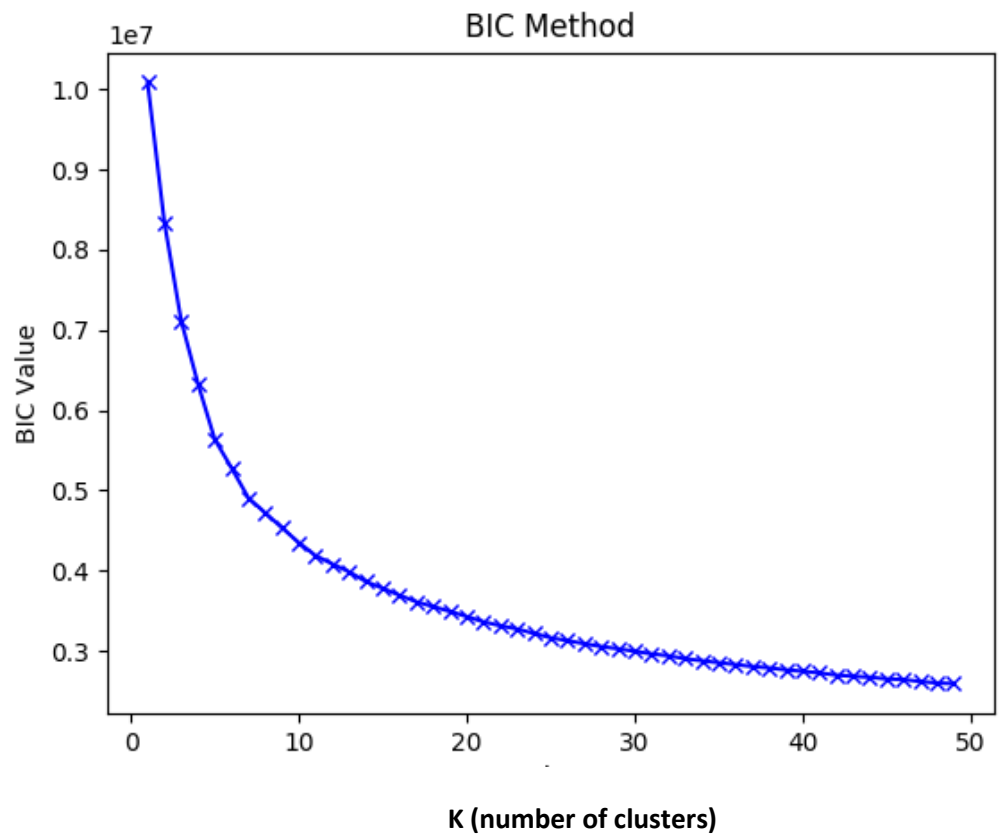


### Canberra distance

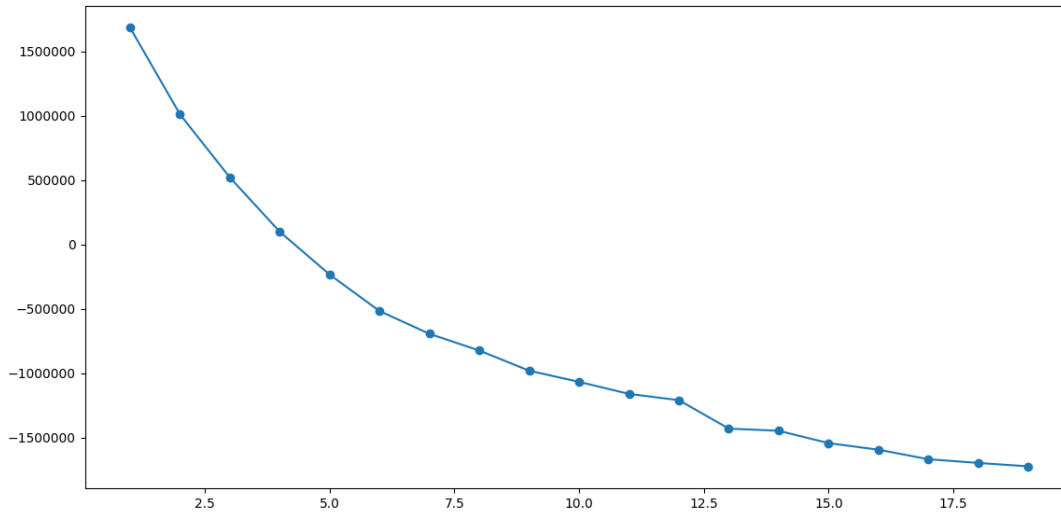


### BIC Score

Clusters	BIC Score
1	10083779.95
2	8338981.924
3	7115868.996
4	6328803.102
5	5635551.054
6	5279843.674
7	4907976.466
8	4722367.095
9	4535207.229
10	4351427.611
11	4188997.207
12	4084571.096
13	3986733.357
14	3865169.447
15	3781439.231
16	3695057.08
17	3614131.627
18	3553362.02
19	3494655.121
20	3429524.925



**AIC Score**



**Elbow Method**

