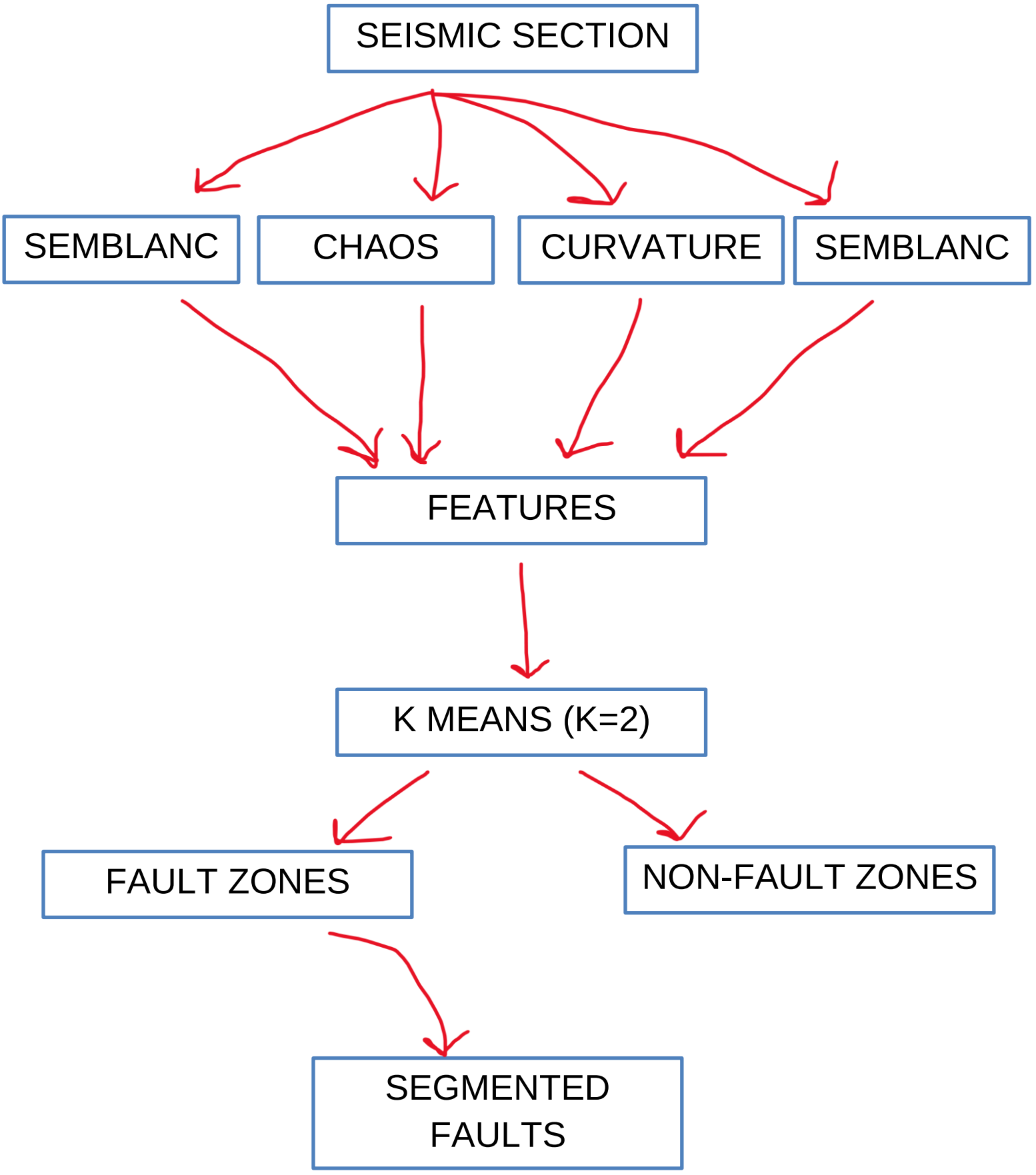
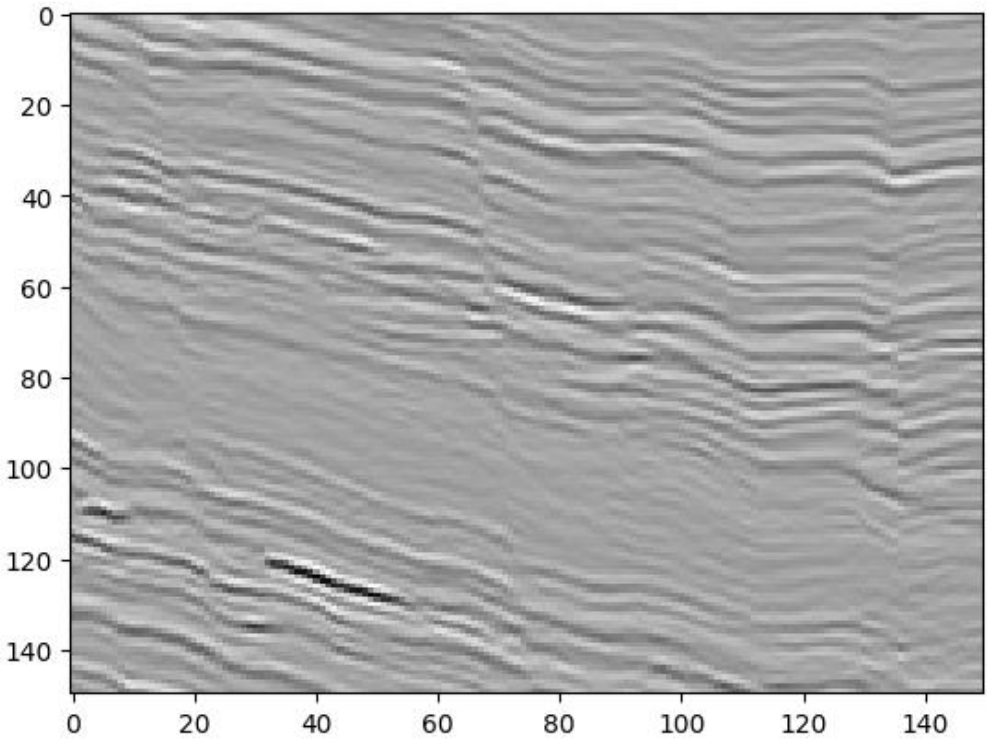
UNSUPERVISED ALGORITHM




0
20
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120
140
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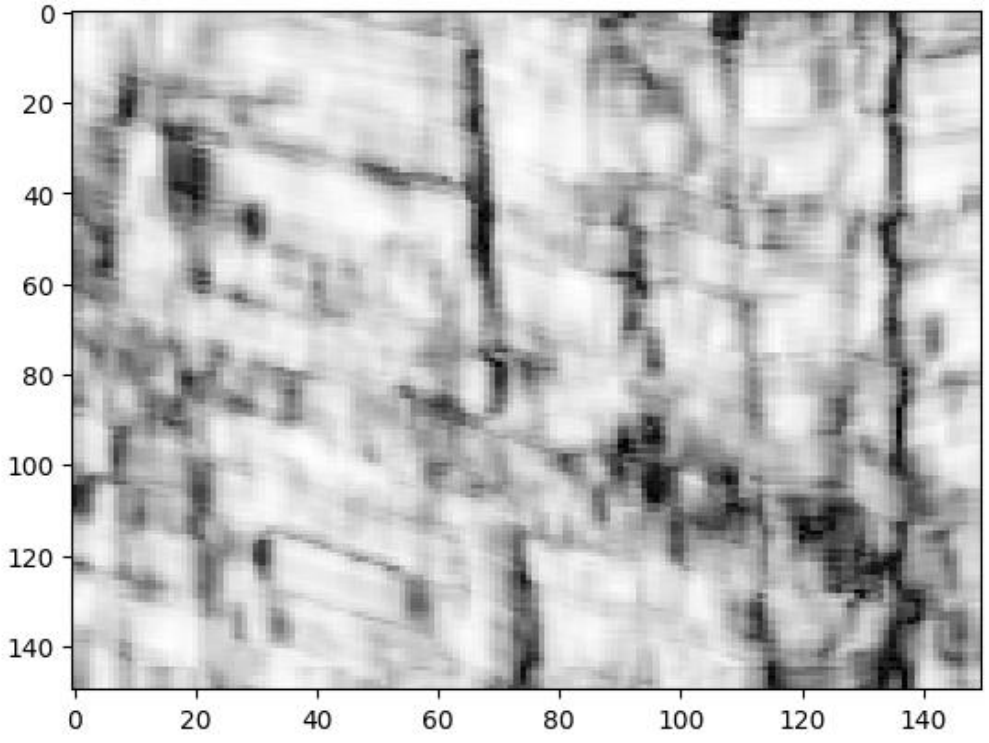
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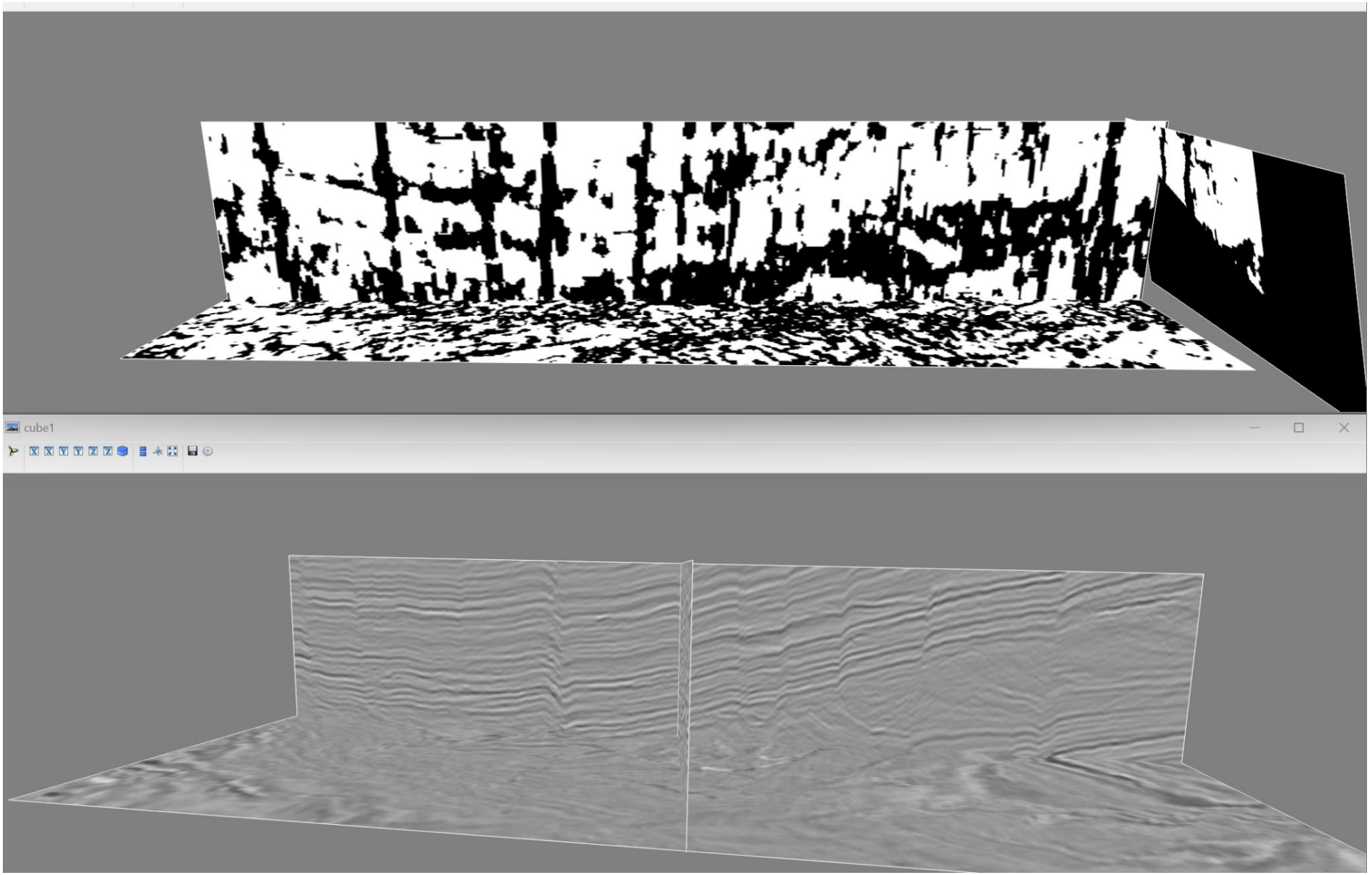
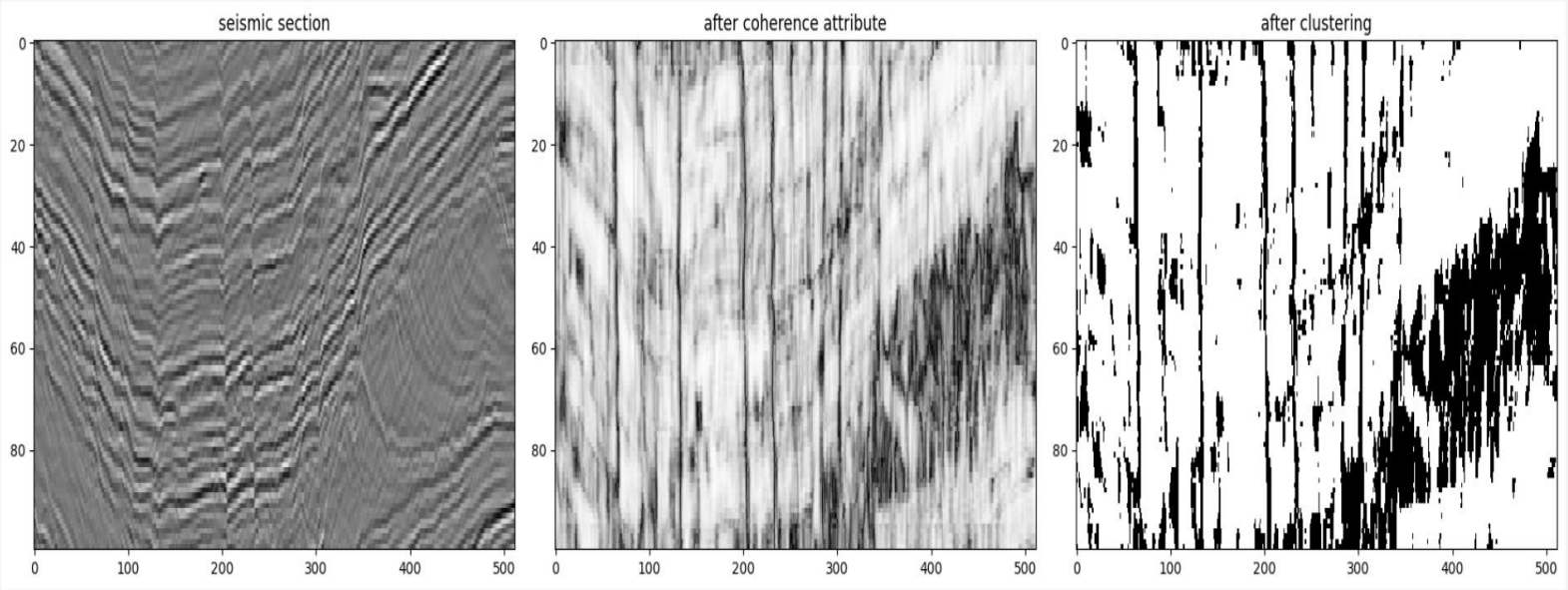
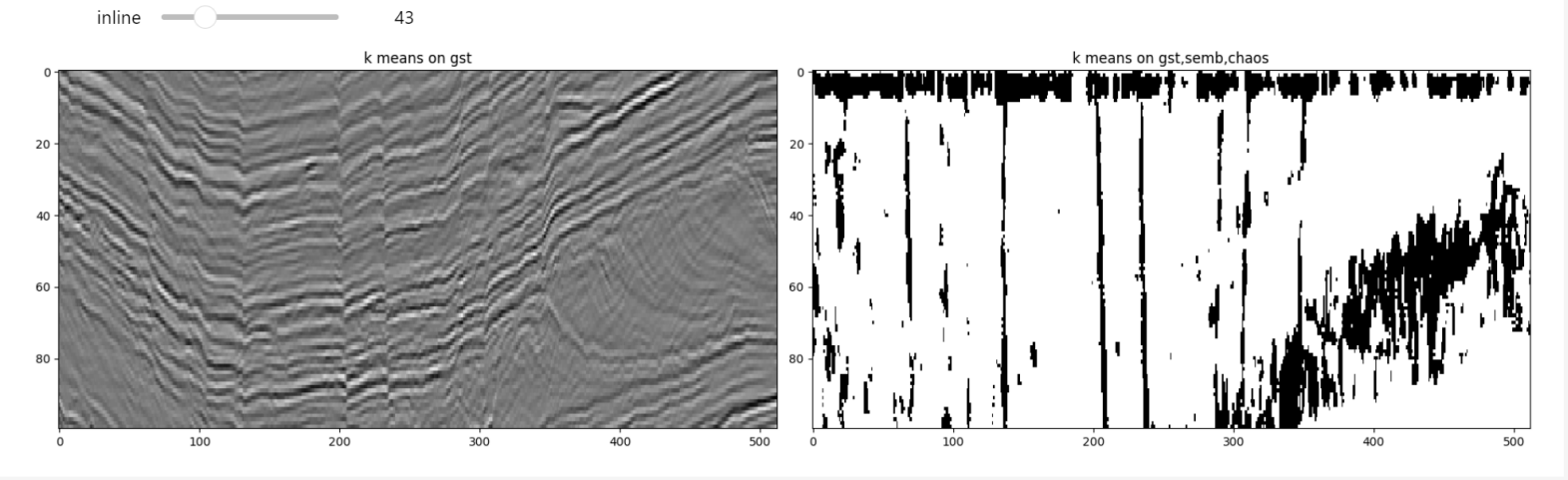
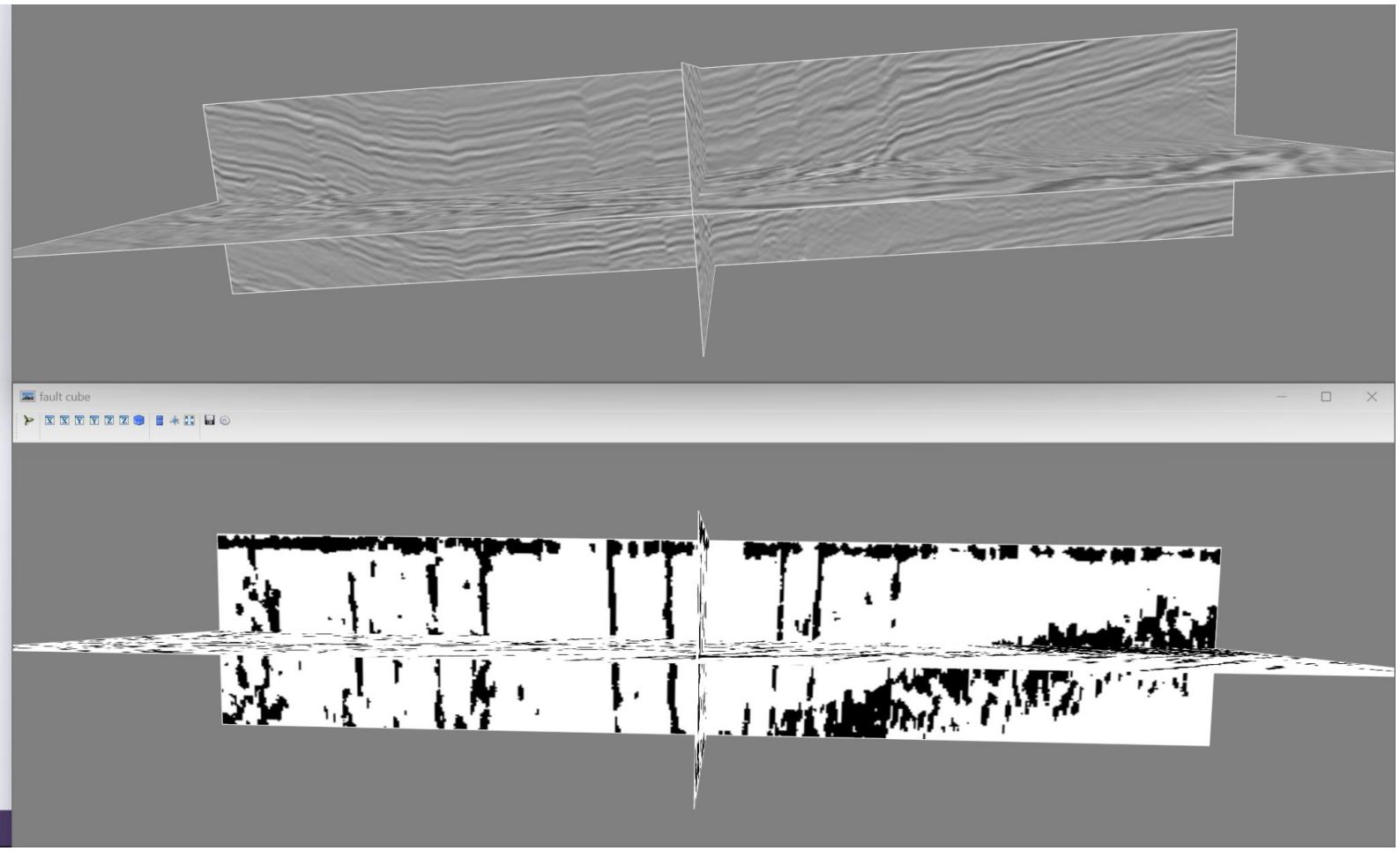
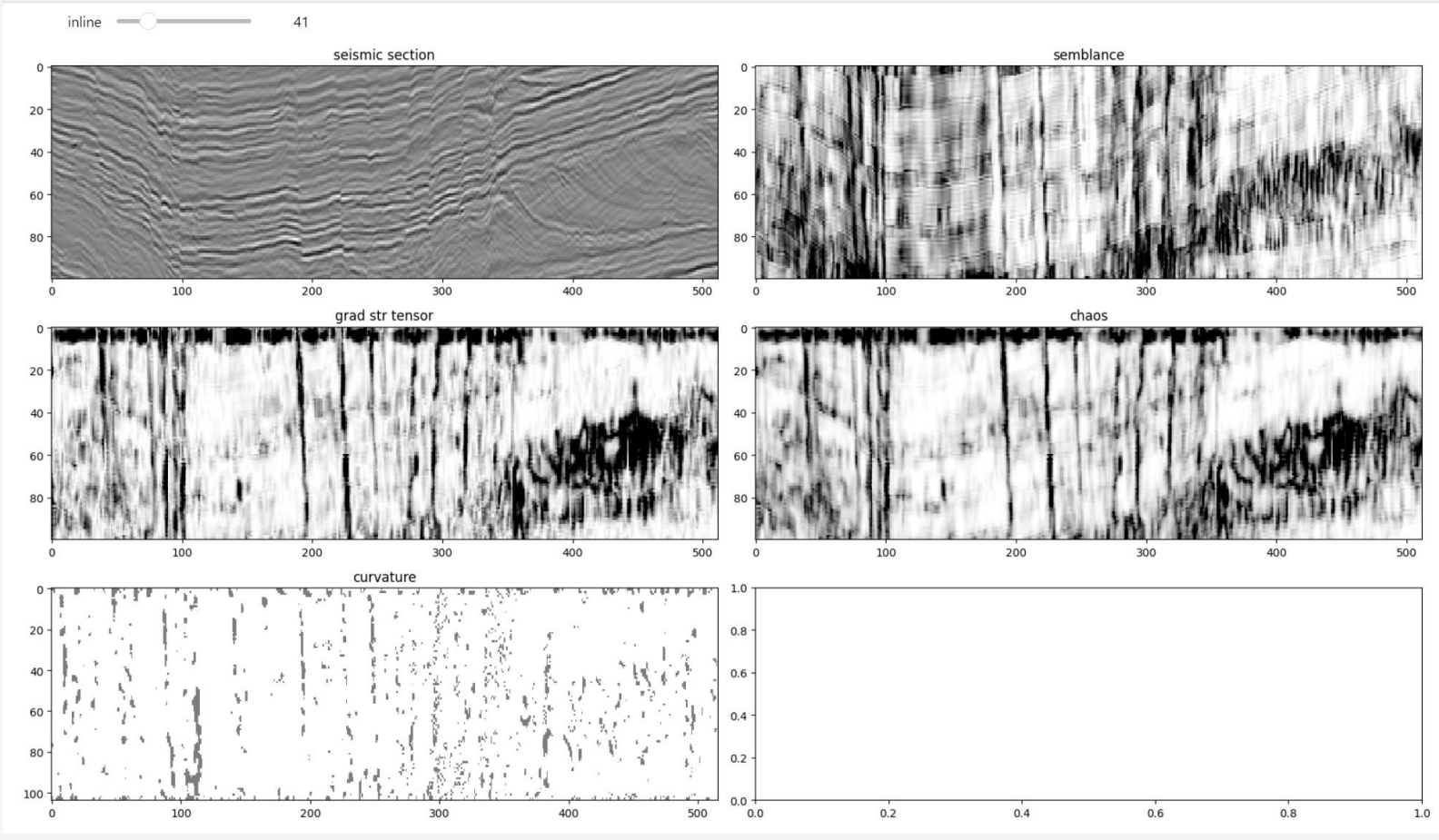

cube1

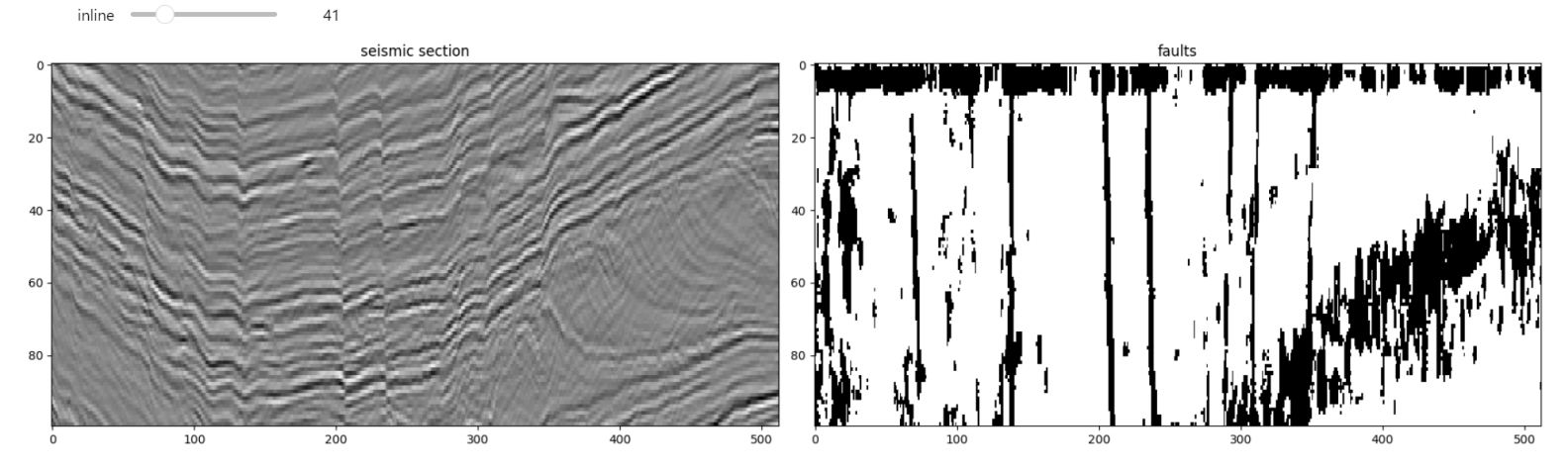


- Tested many attributes to choose best attributes to use as features
- Chose coherence, semblance, chaos attribute to use as feature
- Calculated these attributes of the whole 3D volume
- Applied K - means clustering using each voxel as a sample having 3 features
- Divided all voxels into two classes (fault and non-fault)


inline
43
k means on gst
k means on gst,semb,chaos
0
20
40
60
80
0
100
200
300
400
500


fault cube


inline
41
seismic section
semblance
grad str tensor
chaos
curvature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seismic section
faults