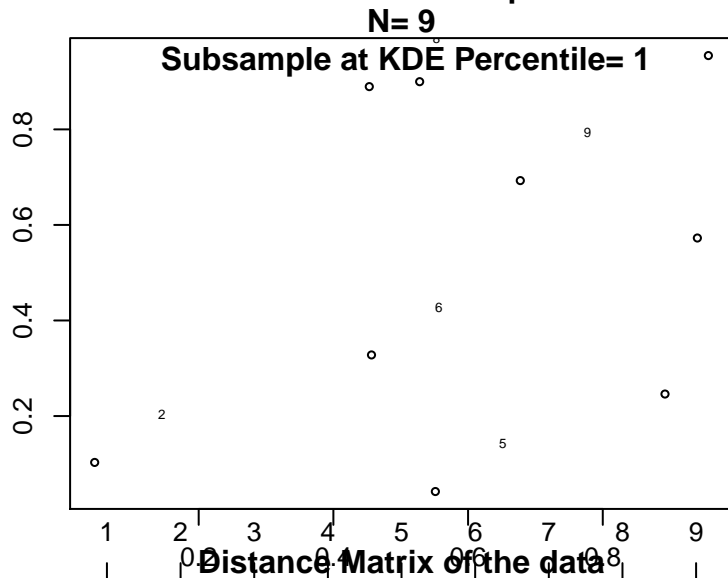
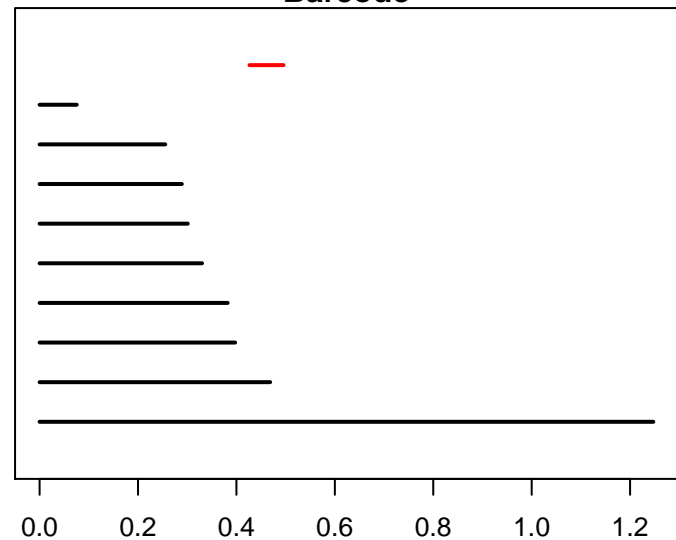
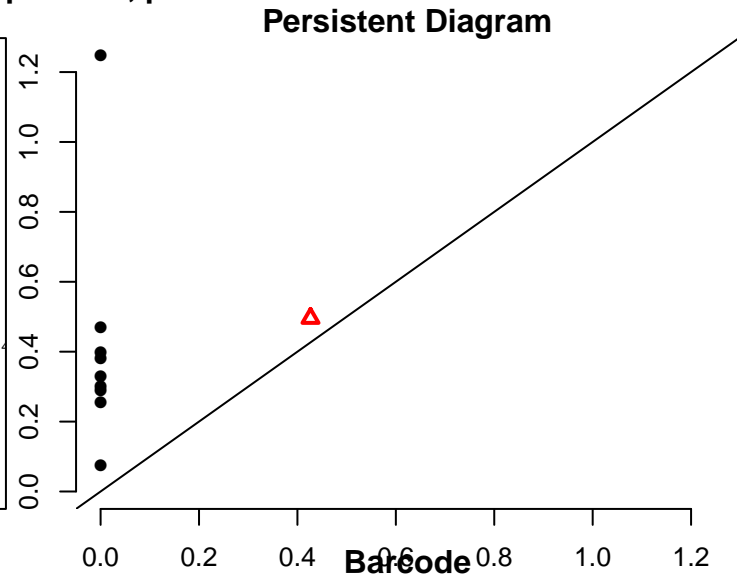


Result and Frame-by-frame plots for
uniform Poisson process with intensity 10 in unit square

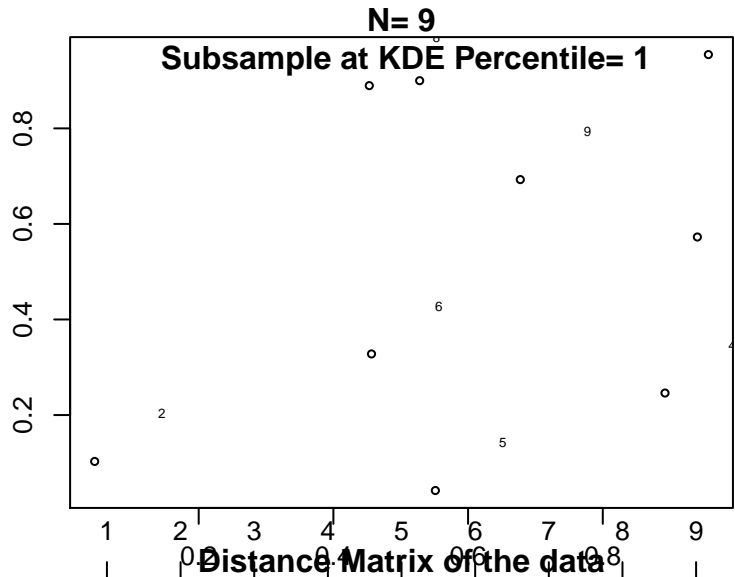
Spatial Poisson process, percentile 1



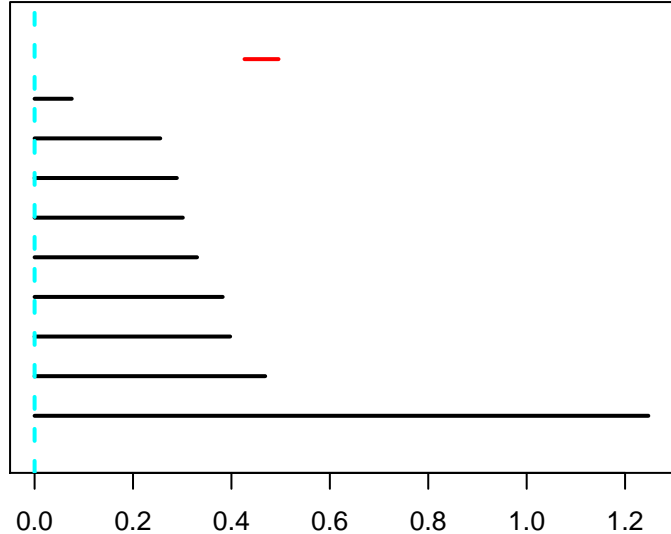
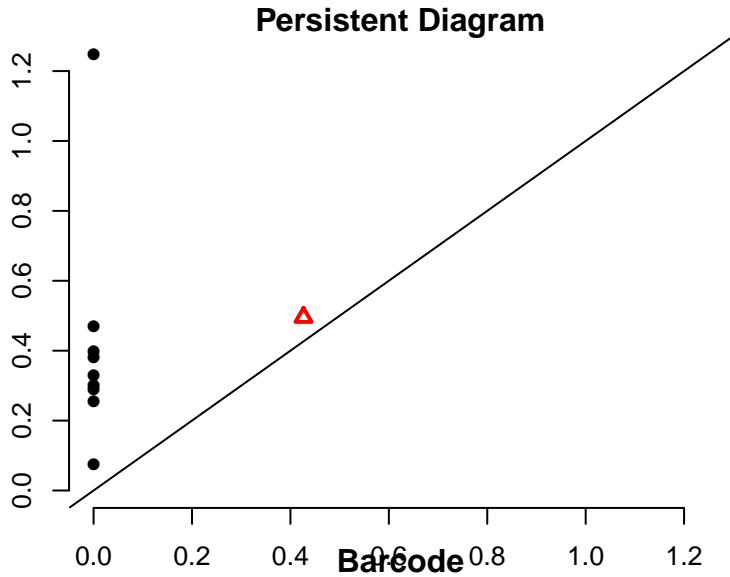
	1	2	3	4	5	6	7	8	9
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000



This is the 'Frame' at Euclidean distance = 0



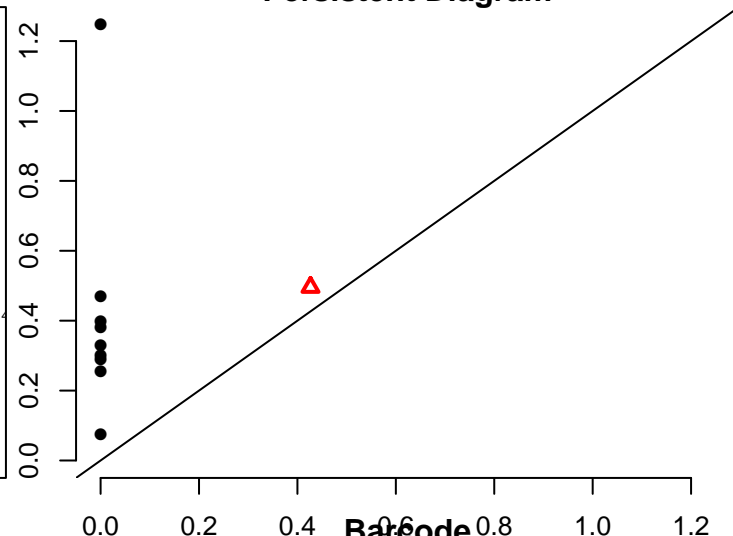
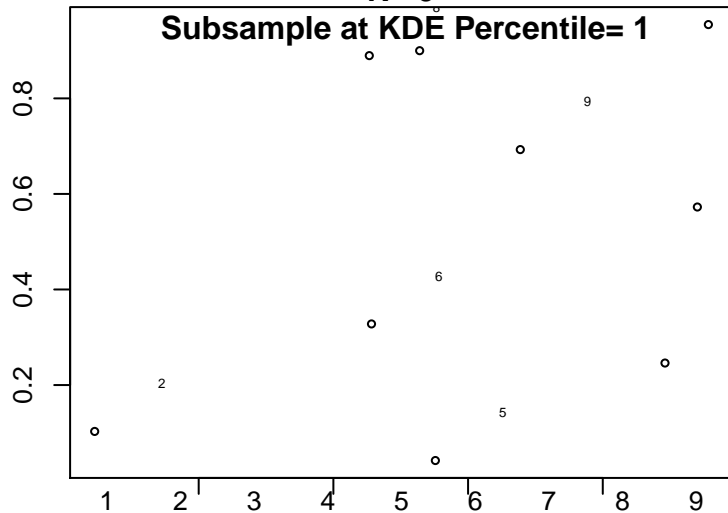
	1	2	3	4	5	6	7	8	9
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000



This is the 'Frame' at Euclidean distance = 0.0755

N= 9

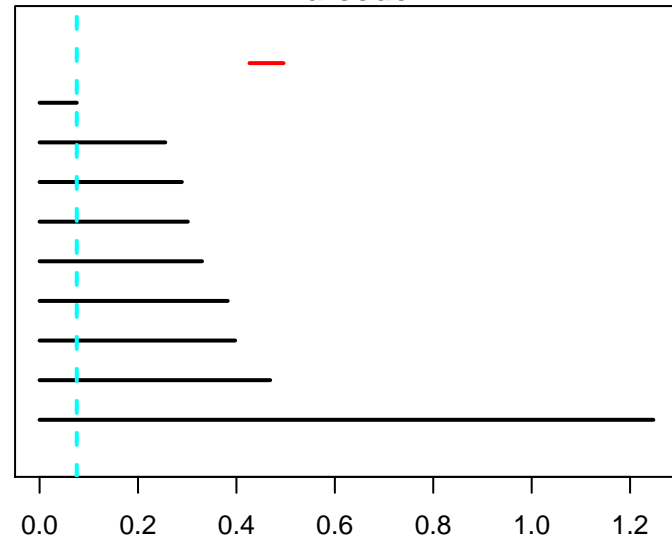
Persistent Diagram



Distance Matrix of the data

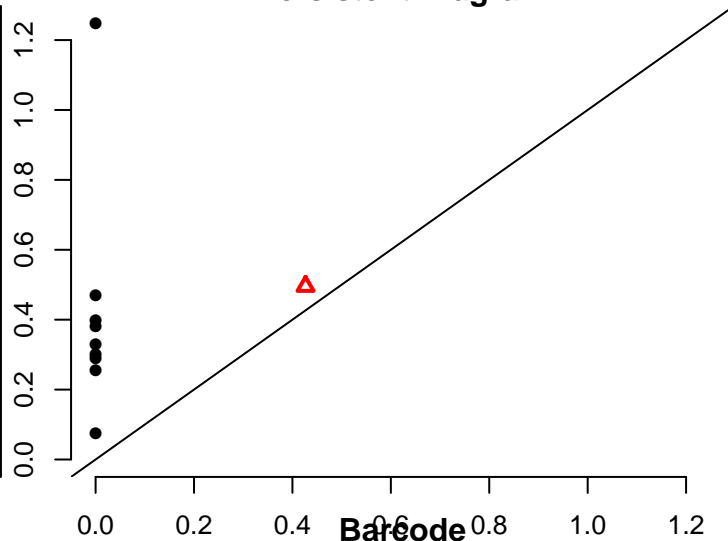
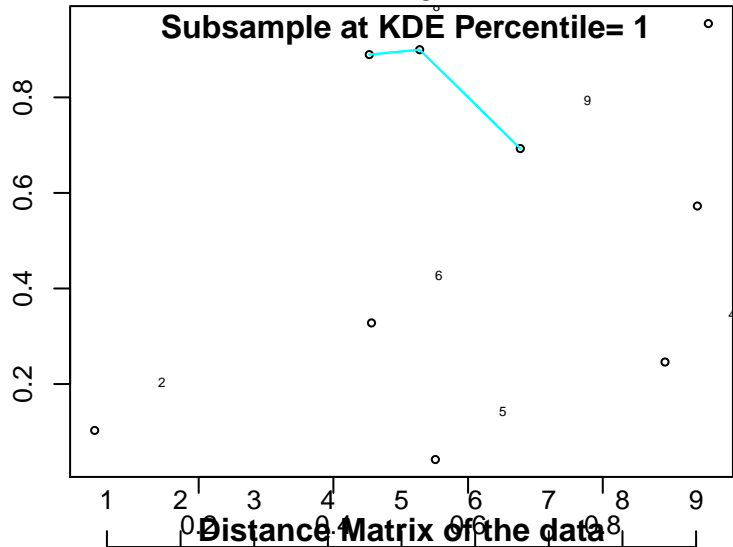
	1	2	3	4	5	6	7	8	9
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000

Barcode

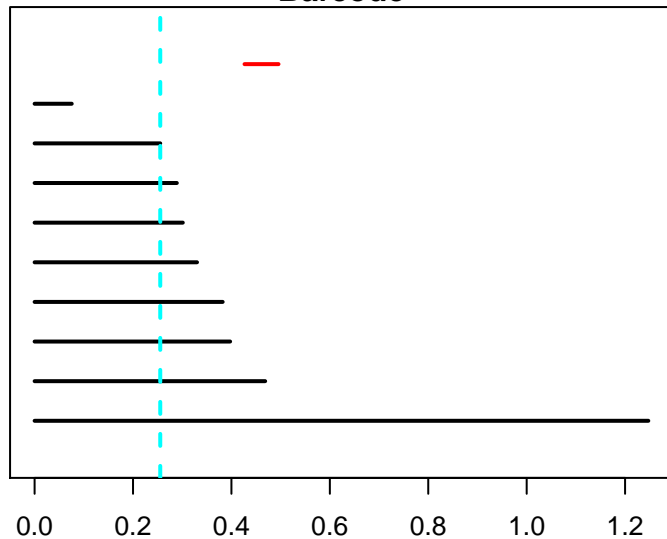


This is the 'Frame' at Euclidean distance = 0.255

Persistent Diagram

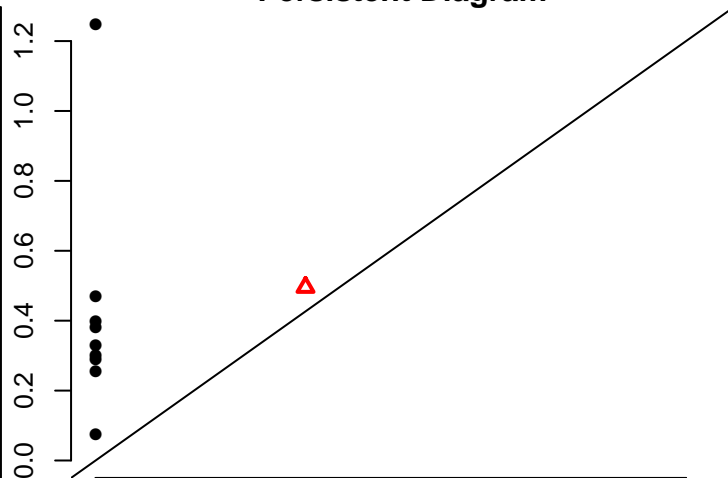
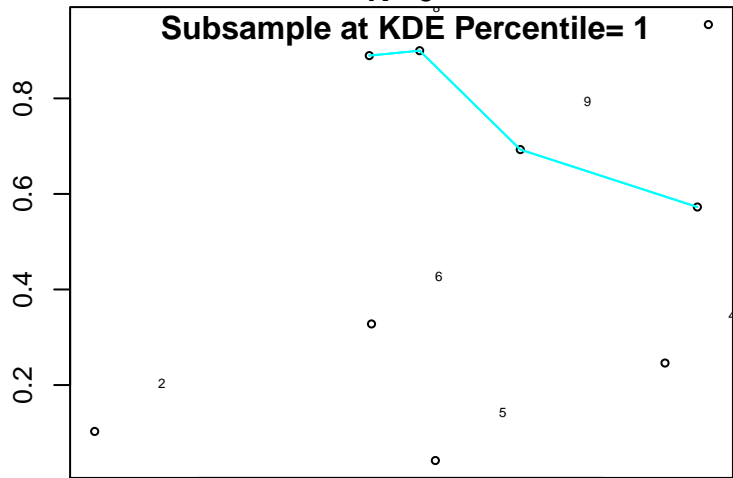


1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000



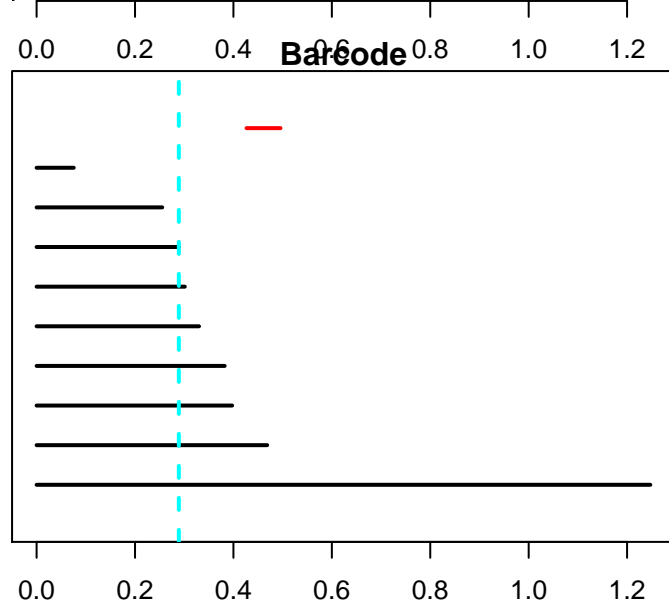
This is the 'Frame' at Euclidean distance = 0.289

Persistent Diagram



Distance Matrix of the data

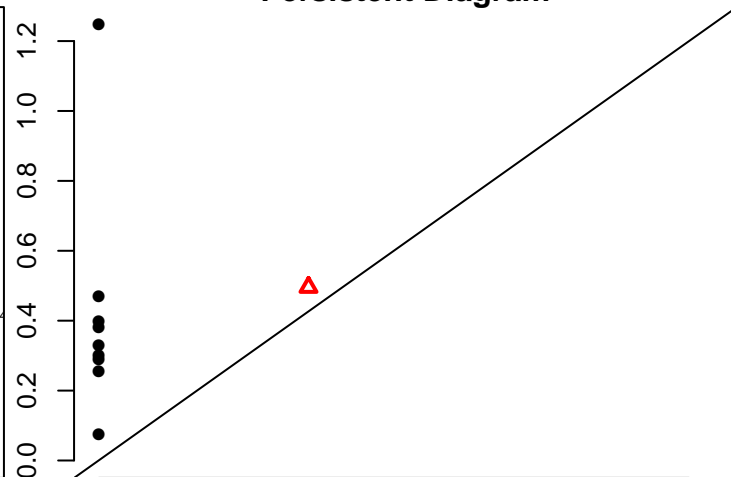
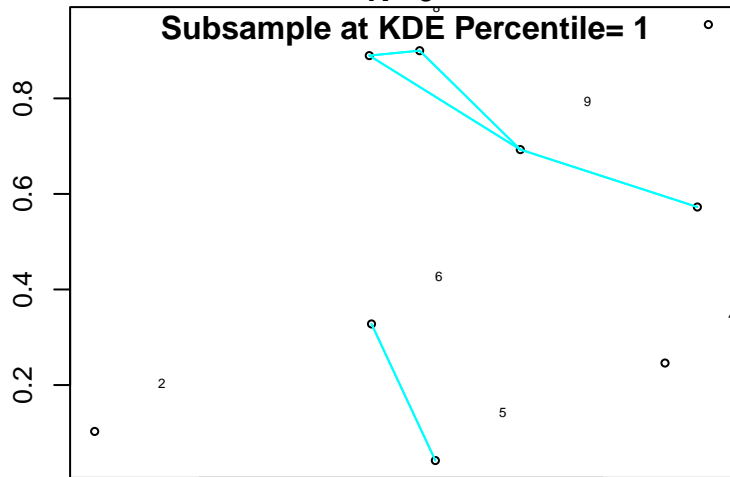
	1	2	3	4	5	6	7	8	9
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000



This is the 'Frame' at Euclidean distance = 0.301

N= 9

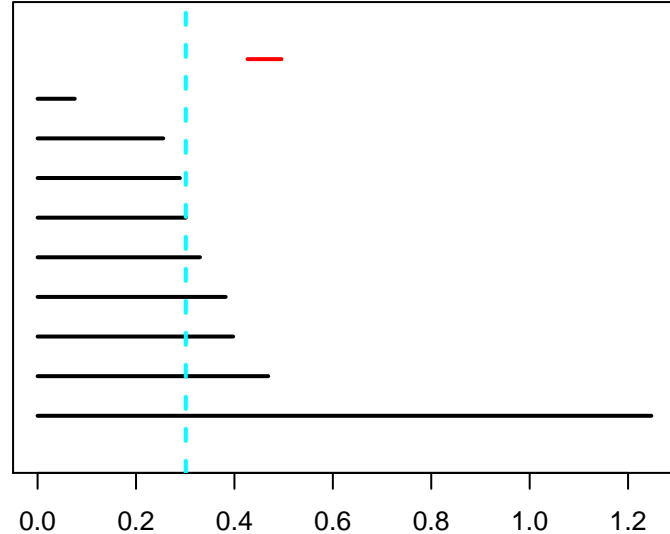
Persistent Diagram



Distance Matrix of the data

1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000

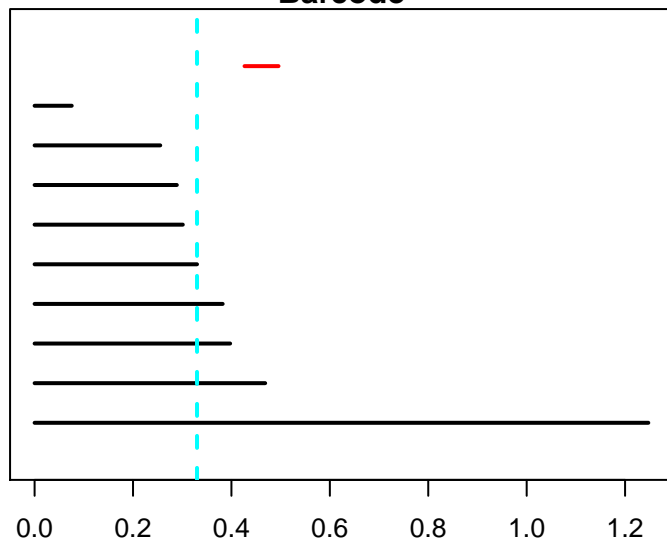
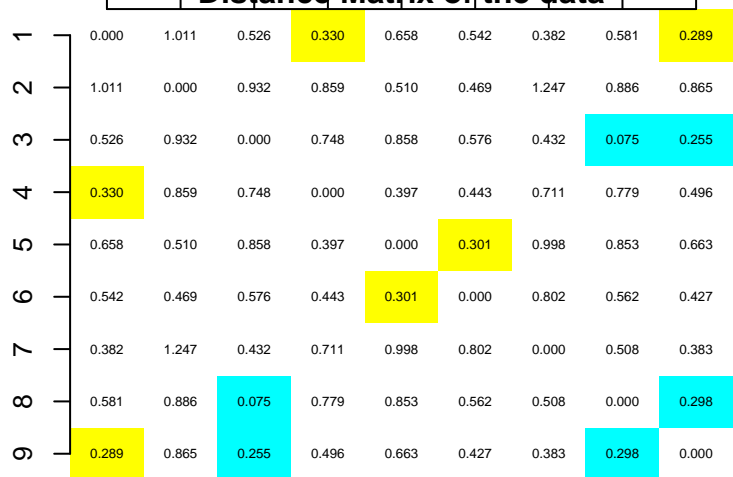
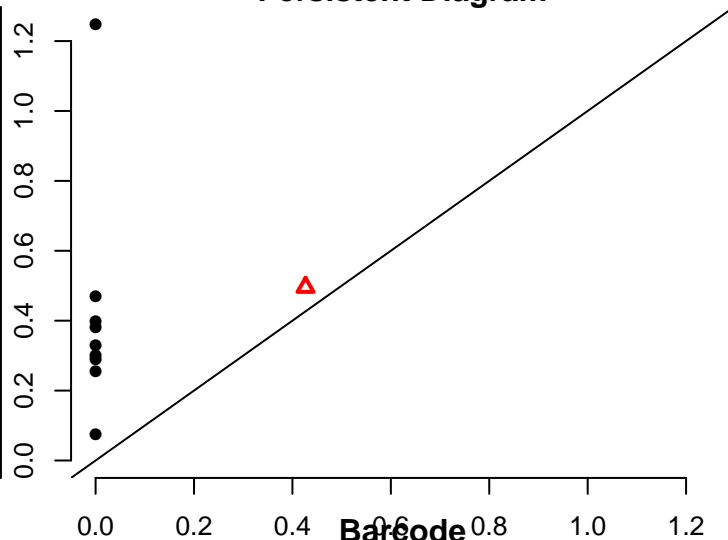
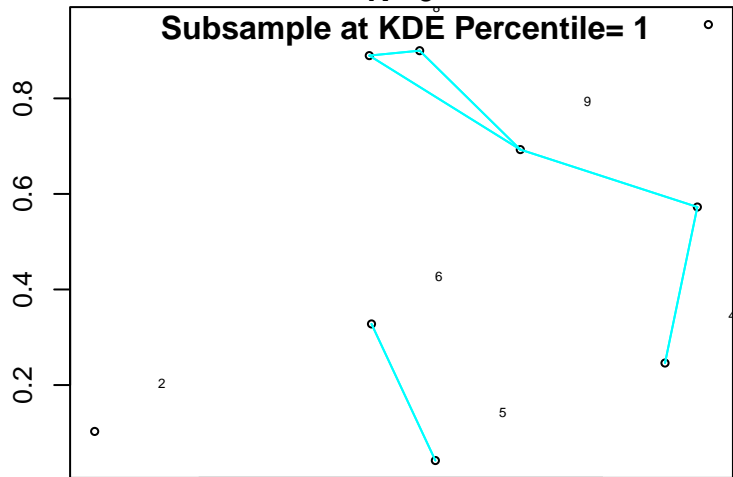
Barcode



This is the 'Frame' at Euclidean distance = 0.33

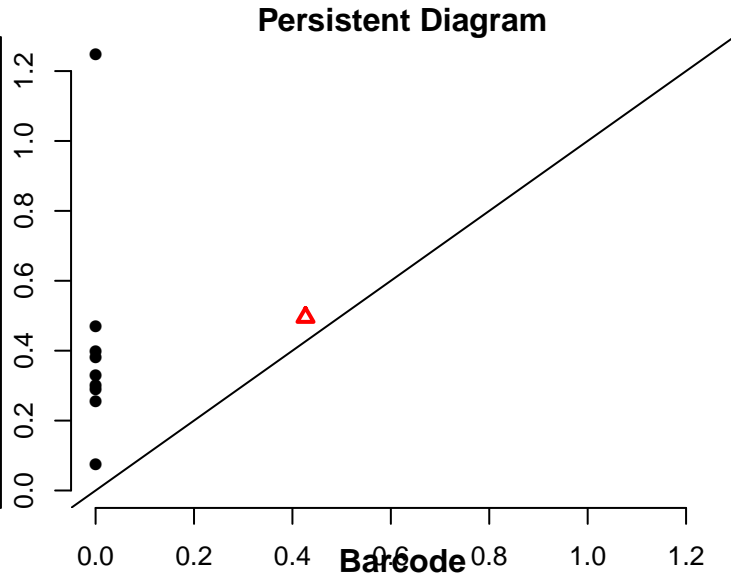
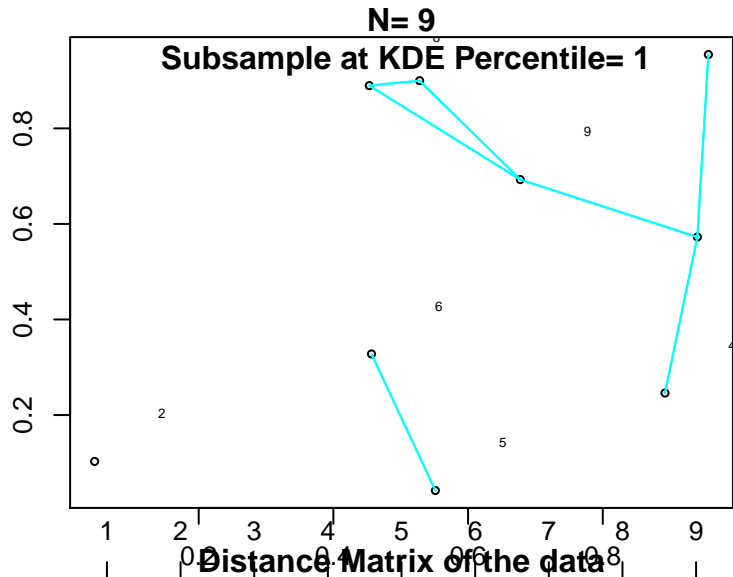
N= 9

Persistent Diagram

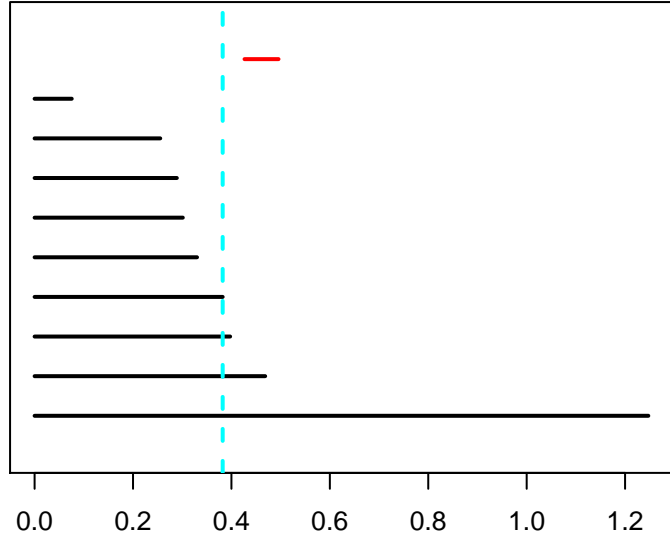


This is the 'Frame' at Euclidean distance = 0.382

Persistent Diagram



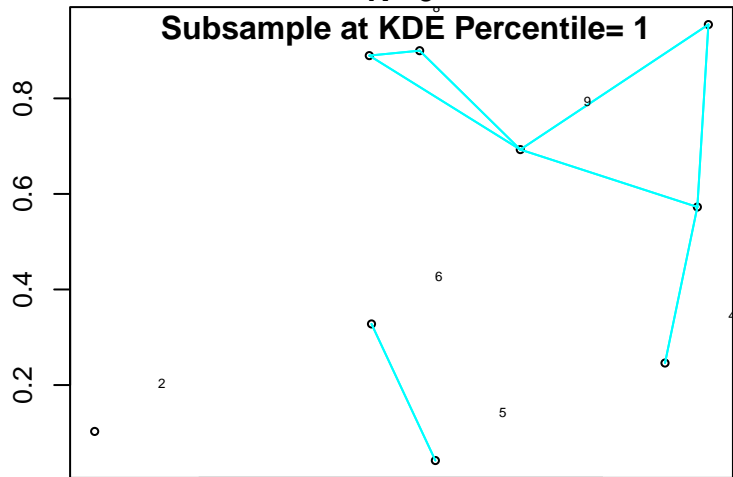
	1	2	3	4	5	6	7	8	9
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000



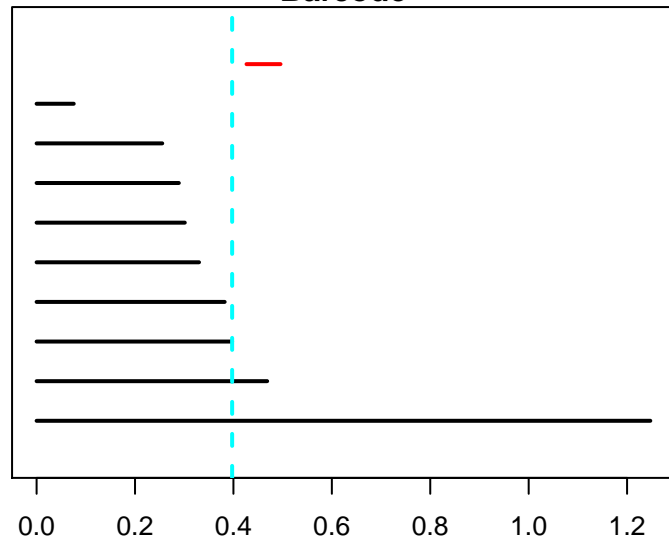
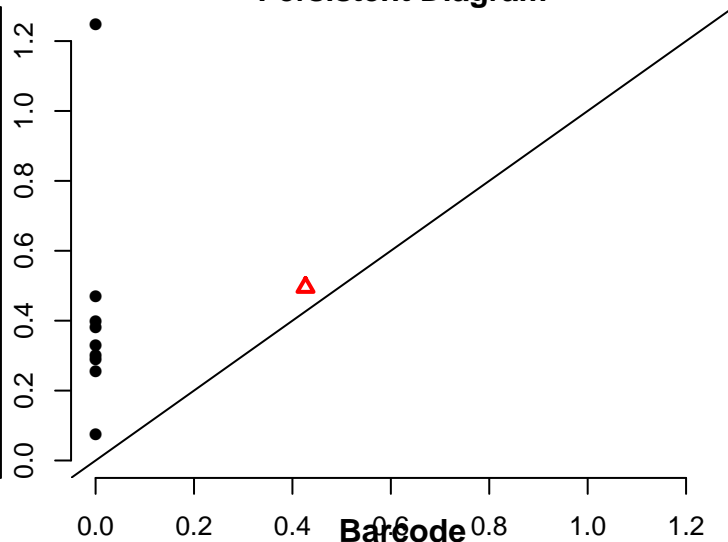
This is the 'Frame' at Euclidean distance = 0.397

N= 9

Persistent Diagram

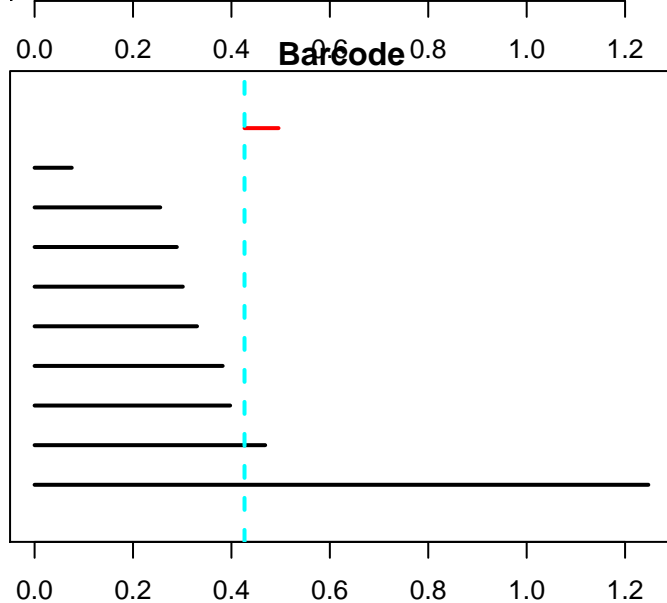
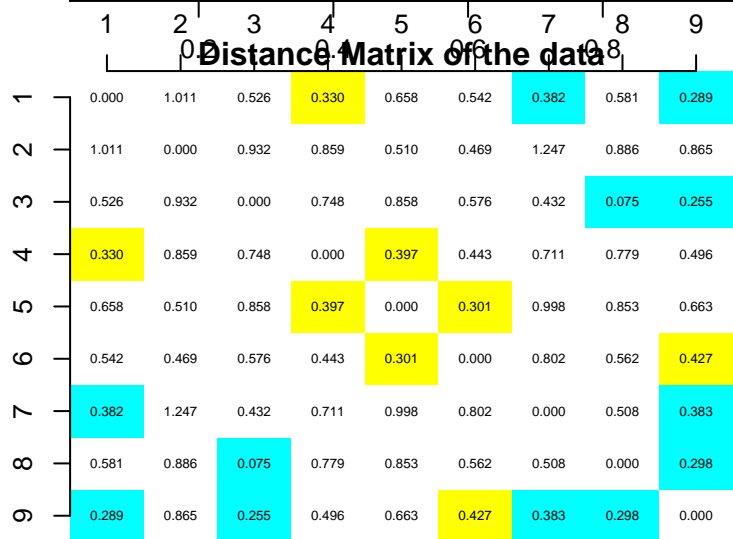
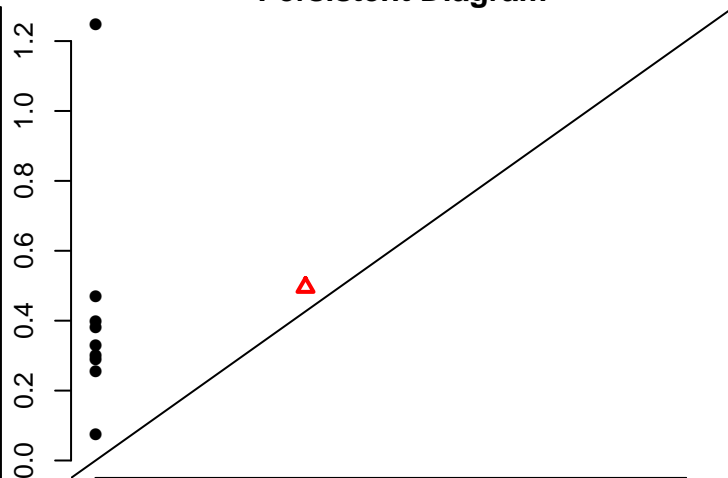
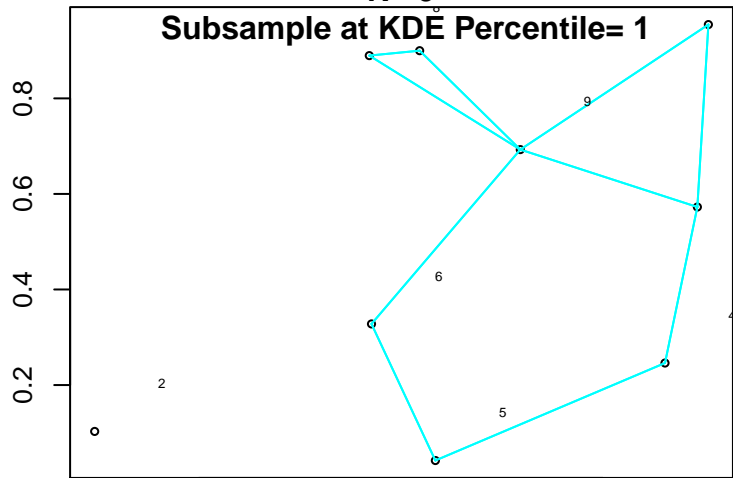


	1	2	3	4	5	6	7	8	9
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	0.289
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	0.865
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	0.255
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	0.496
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	0.663
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	0.427
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	0.383
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	0.298
9	0.289	0.865	0.255	0.496	0.663	0.427	0.383	0.298	0.000



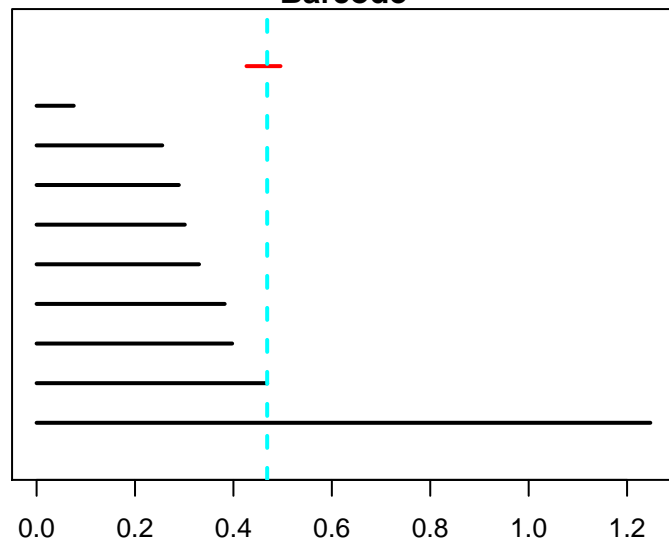
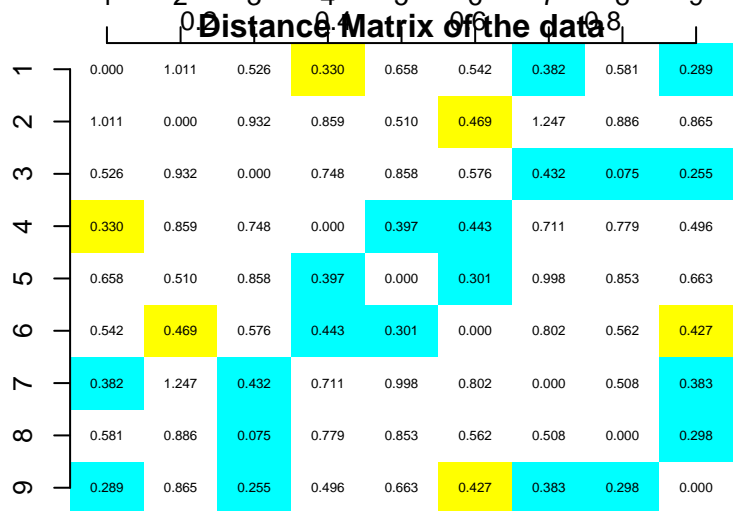
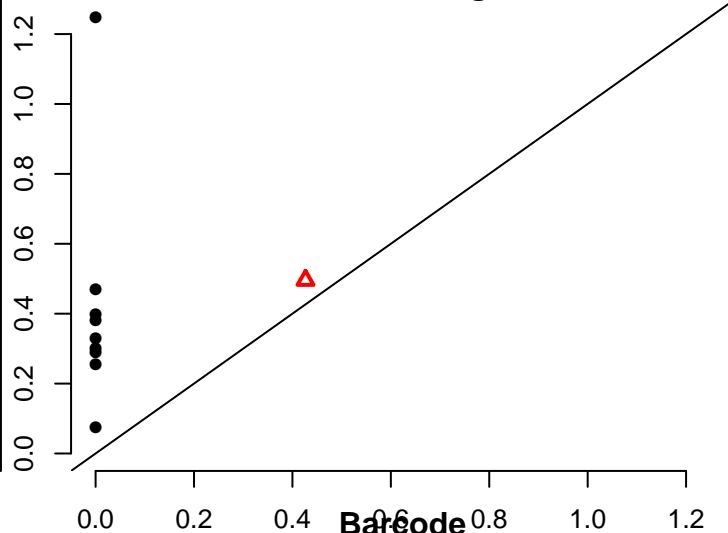
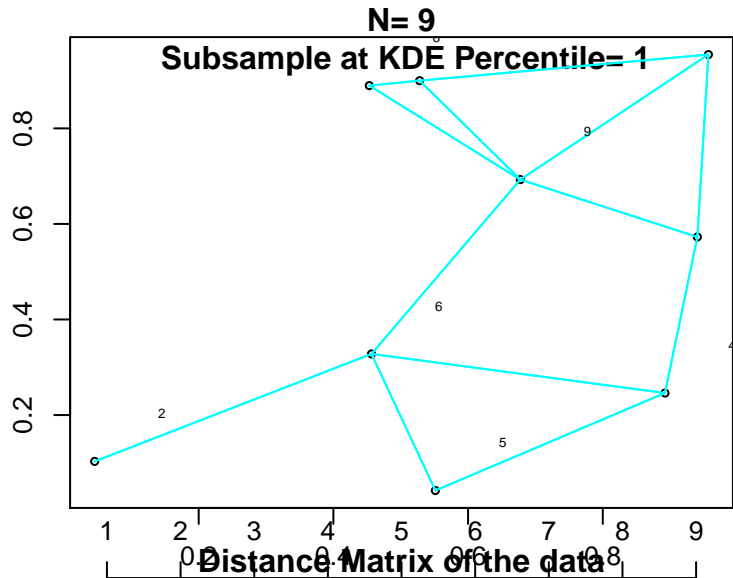
This is the 'Frame' at Euclidean distance = 0.427

Persistent Diagram



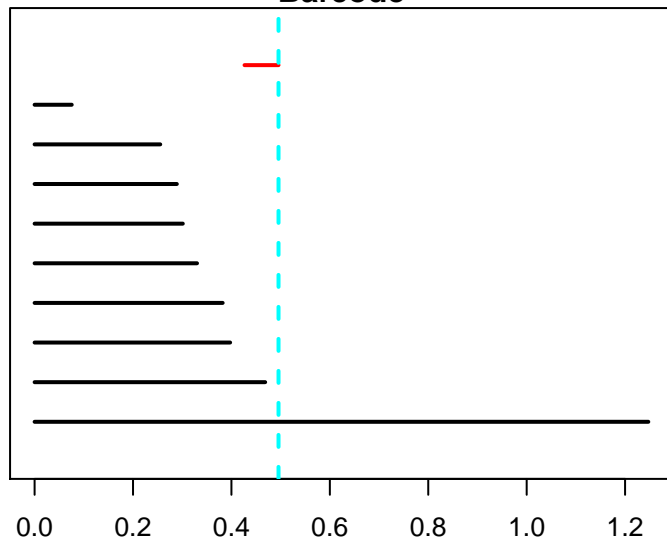
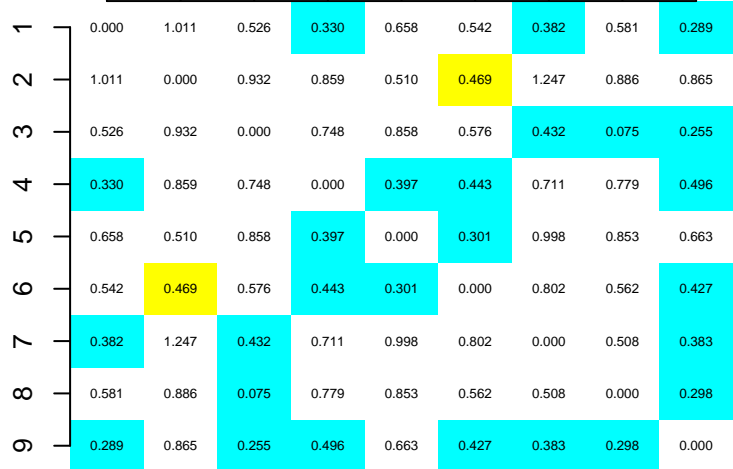
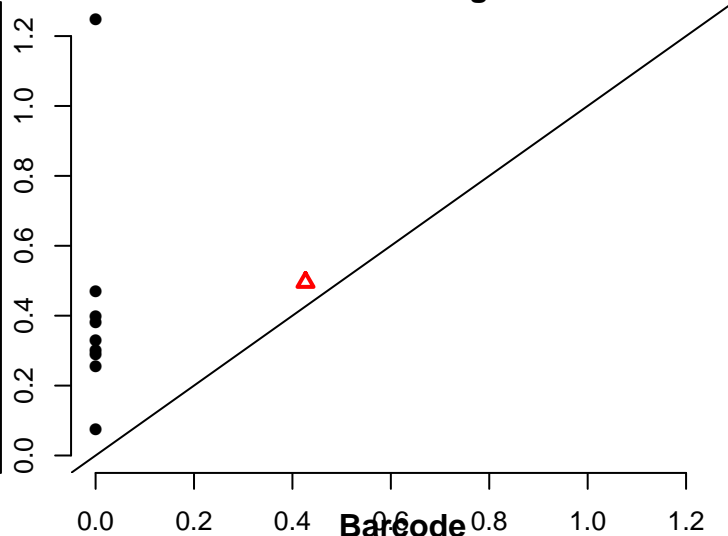
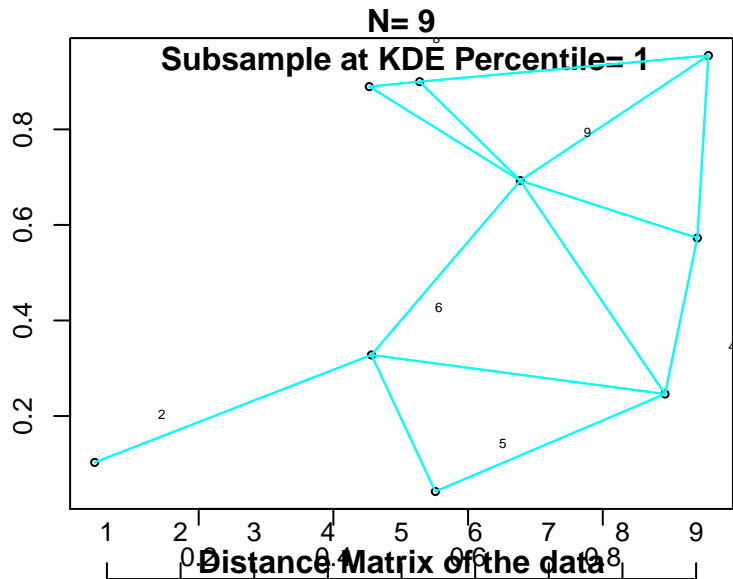
This is the 'Frame' at Euclidean distance = 0.469

Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.496

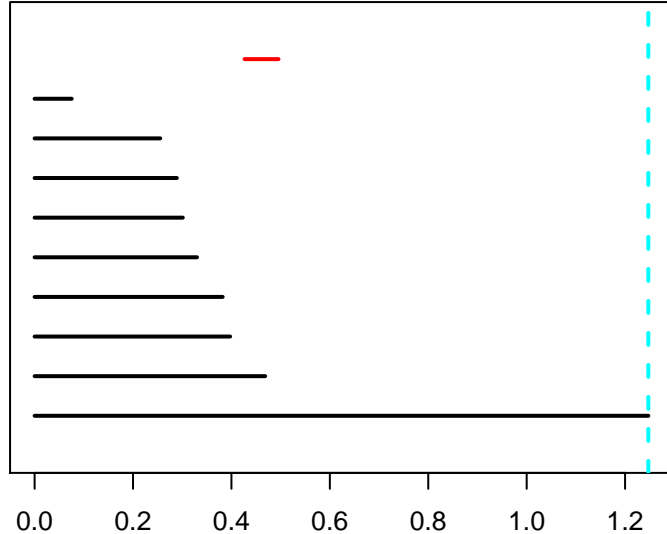
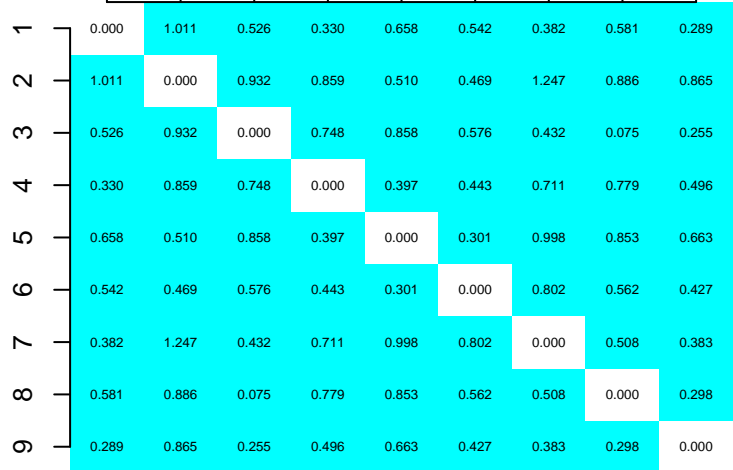
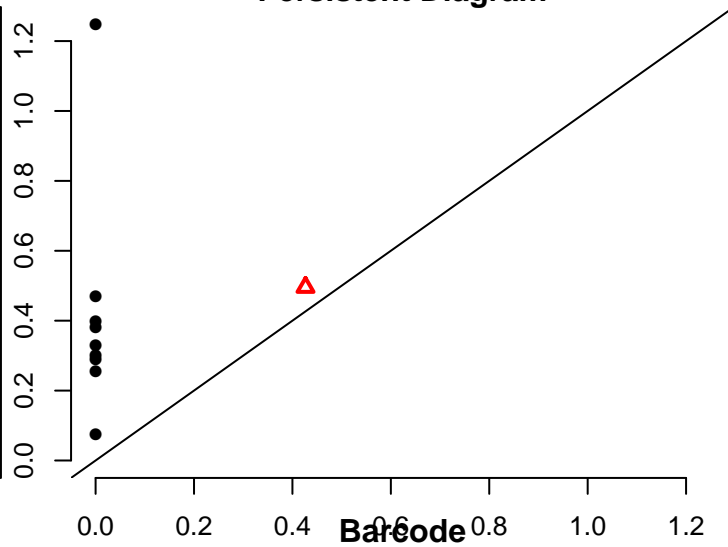
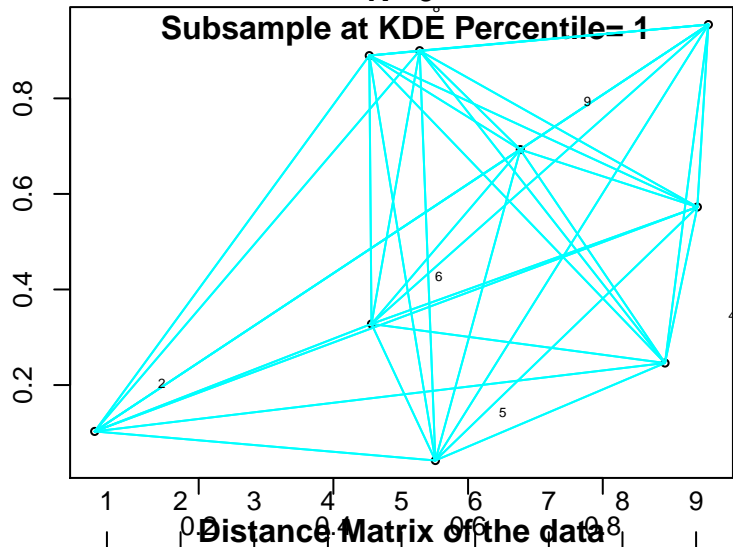
Persistent Diagram



This is the 'Frame' at Euclidean distance = 1.25

N= 9

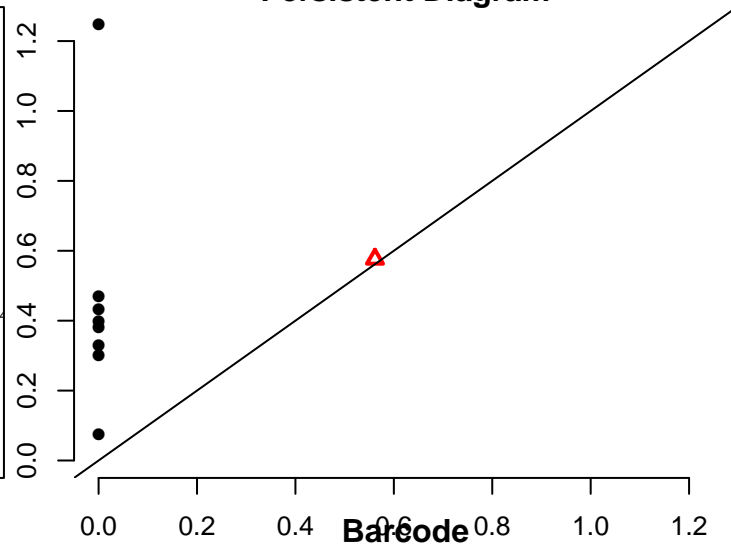
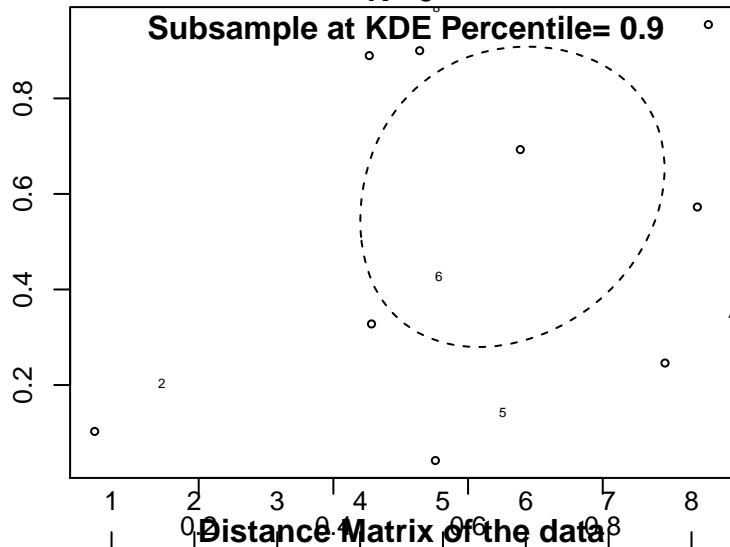
Persistent Diagram



Spatial Poisson process, percentile .9

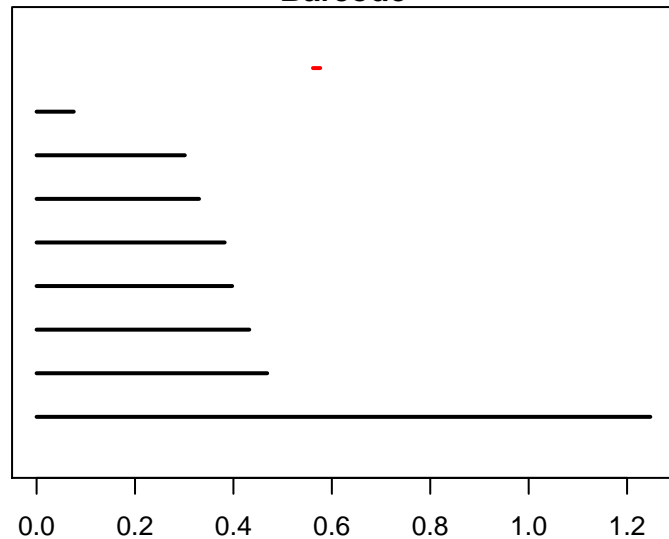
N= 9

Persistent Diagram



Distance Matrix of the data

	1	2	3	4	5	6	7	8
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000

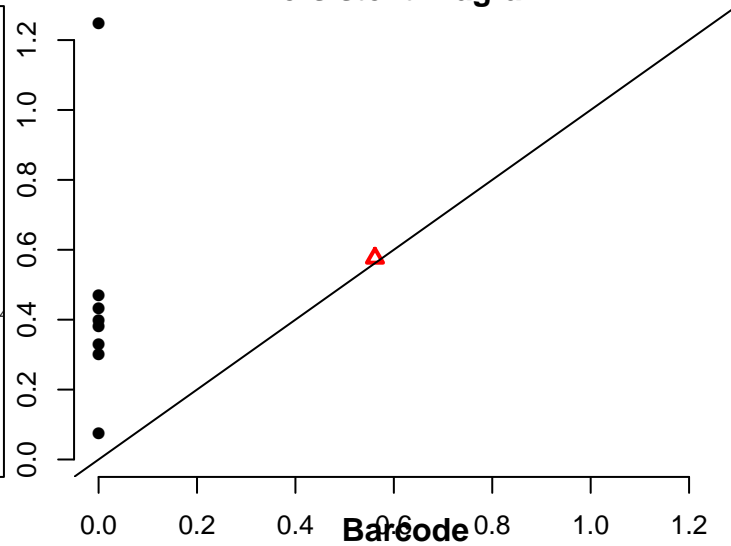
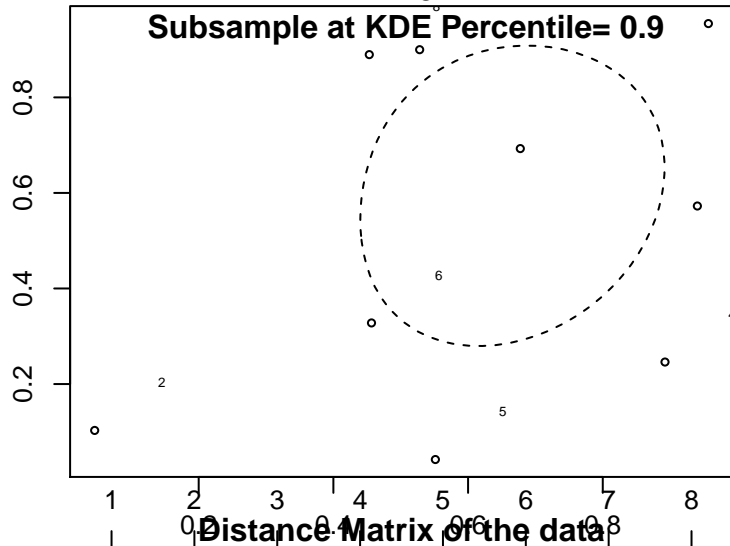


This is the 'Frame' at Euclidean distance = 0

N= 9

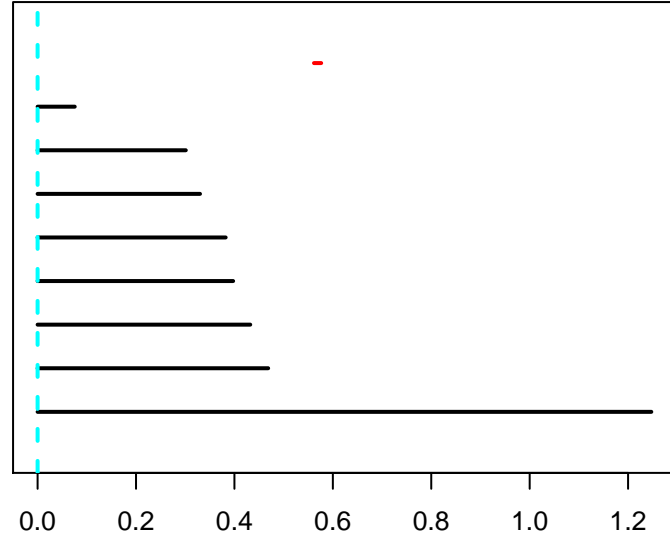
Persistent Diagram

Subsample at KDE Percentile= 0.9



Distance Matrix of the data

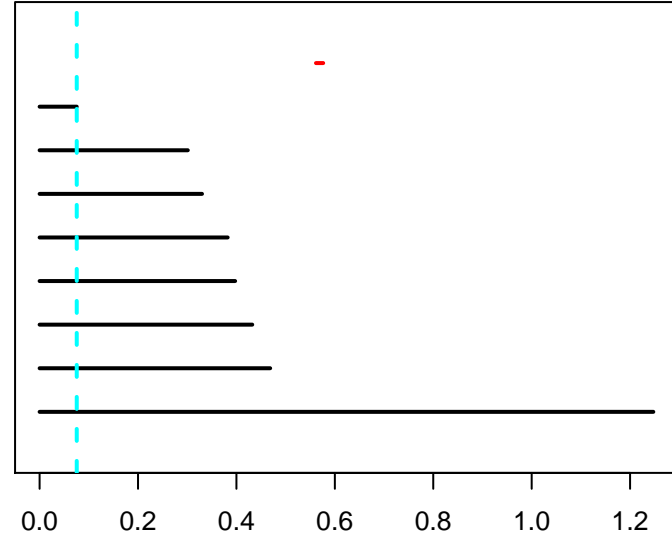
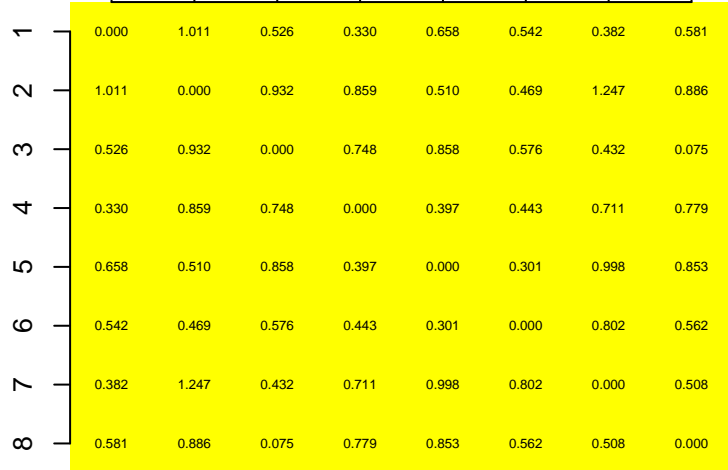
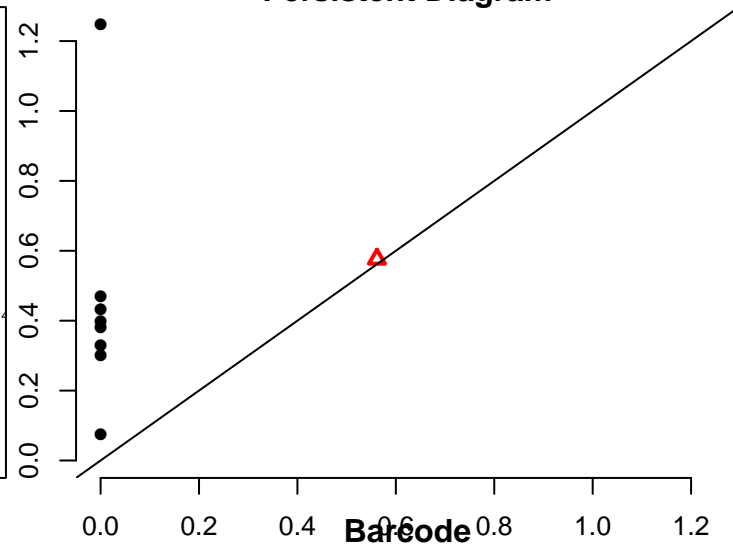
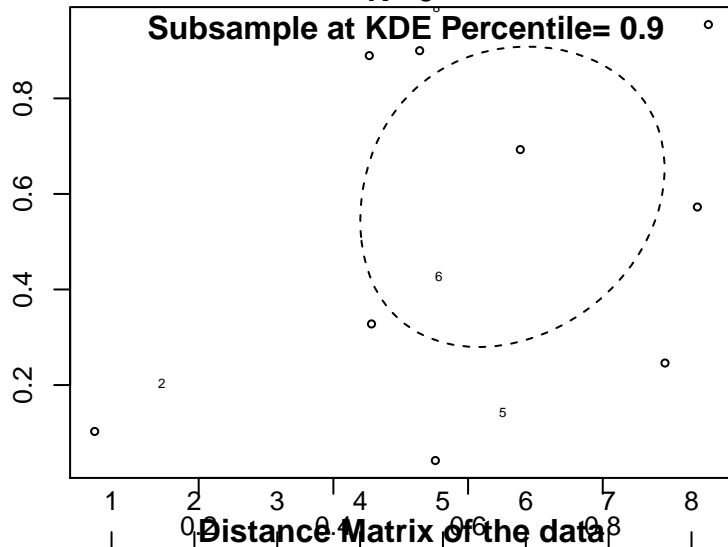
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000



This is the 'Frame' at Euclidean distance = 0.0755

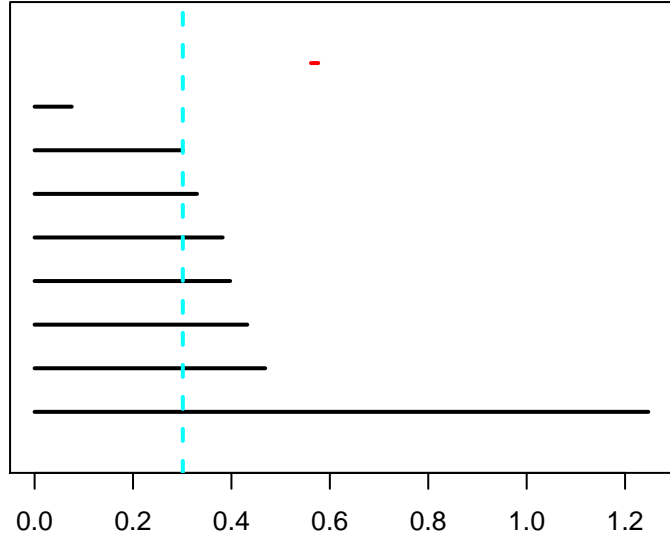
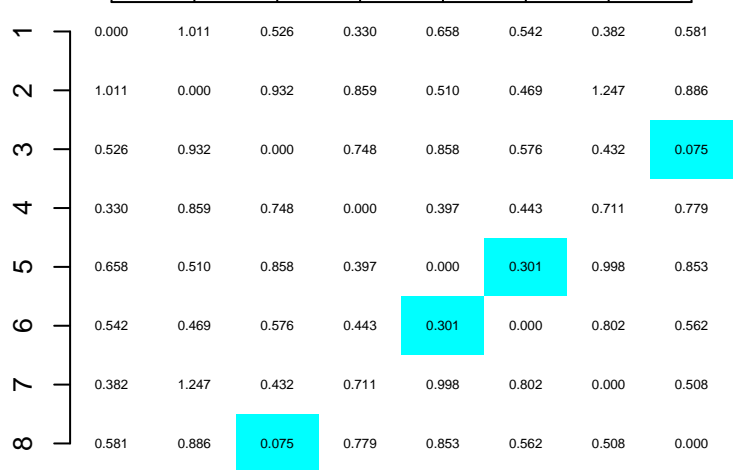
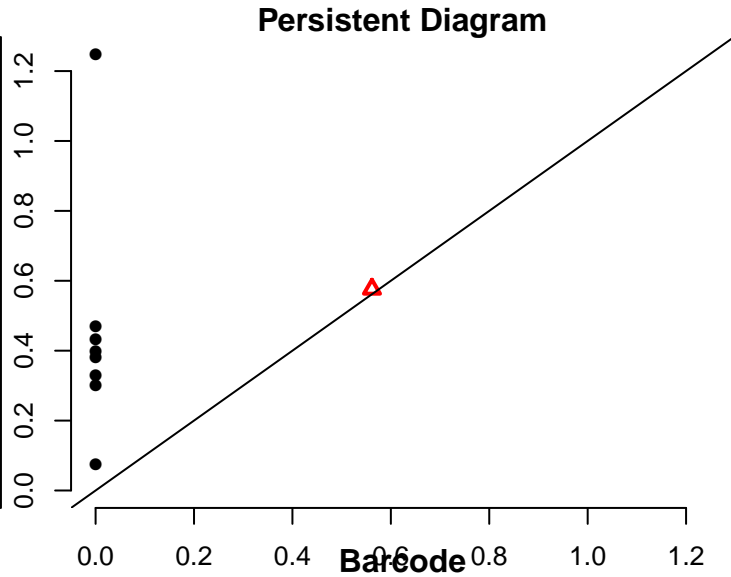
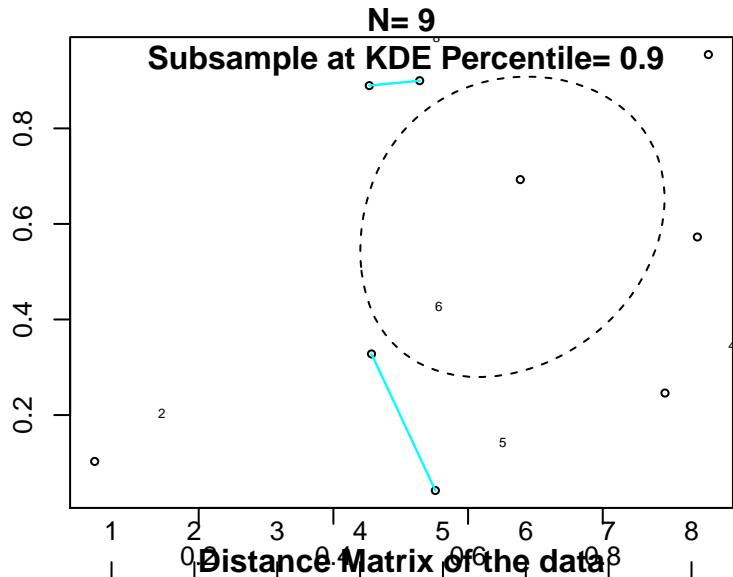
N = 9

Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.301

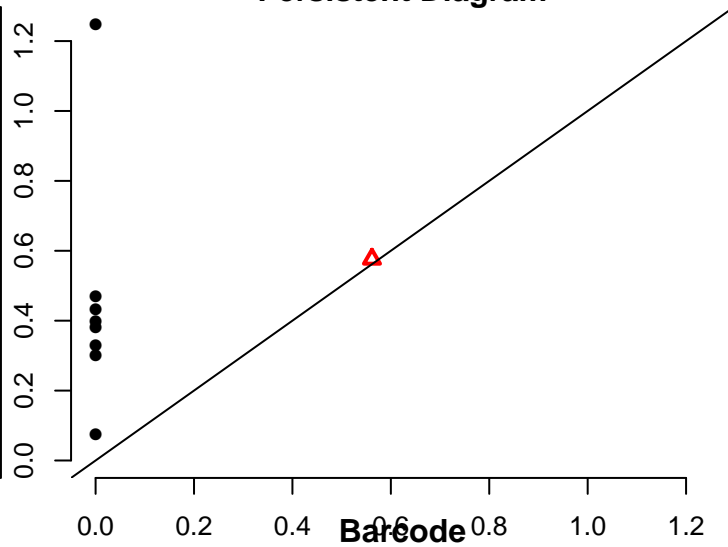
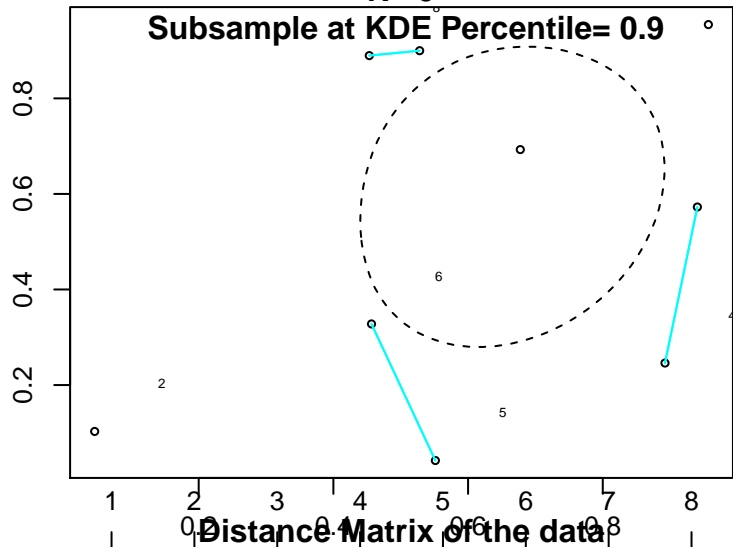
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.33

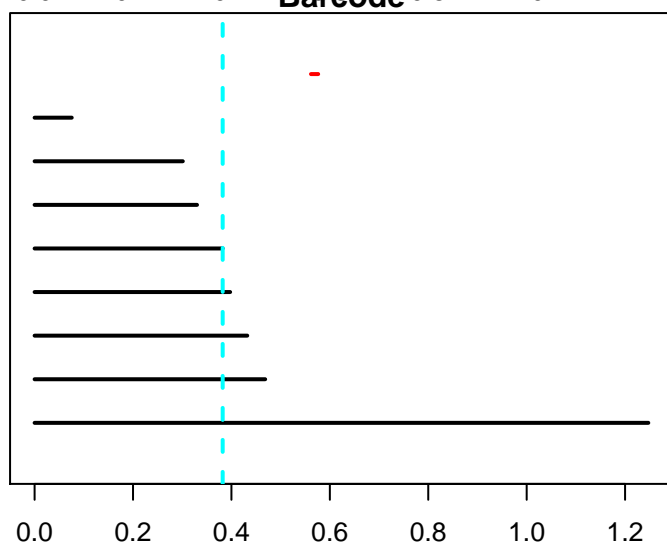
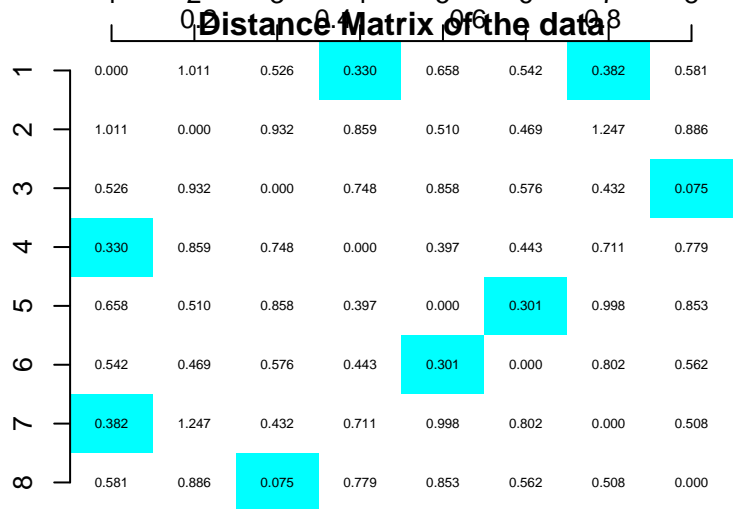
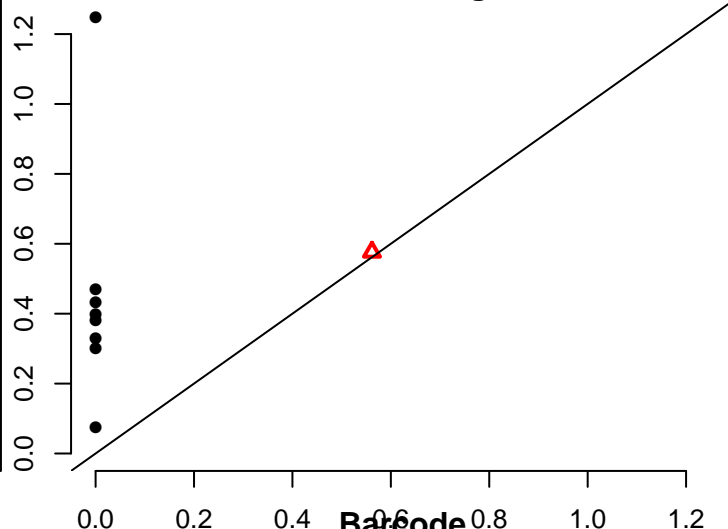
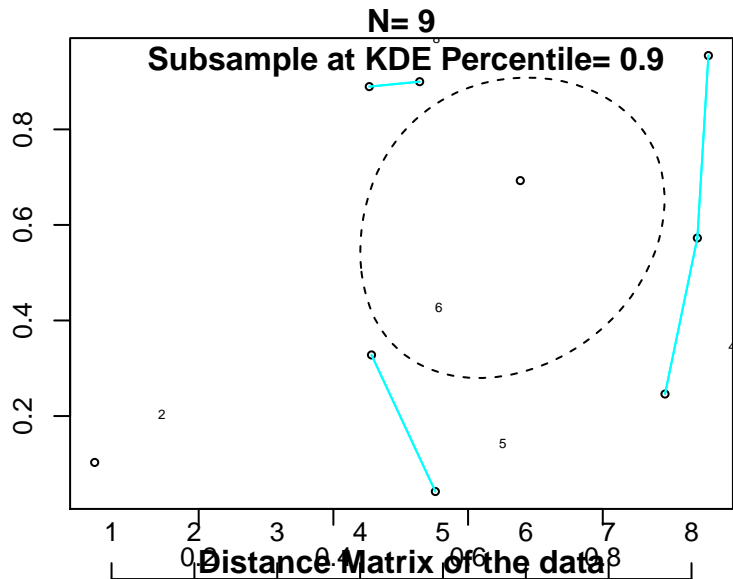
N= 9

Persistent Diagram



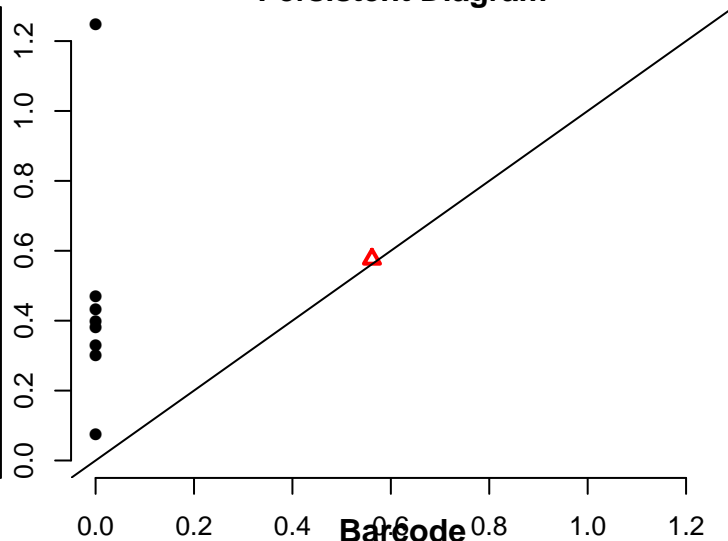
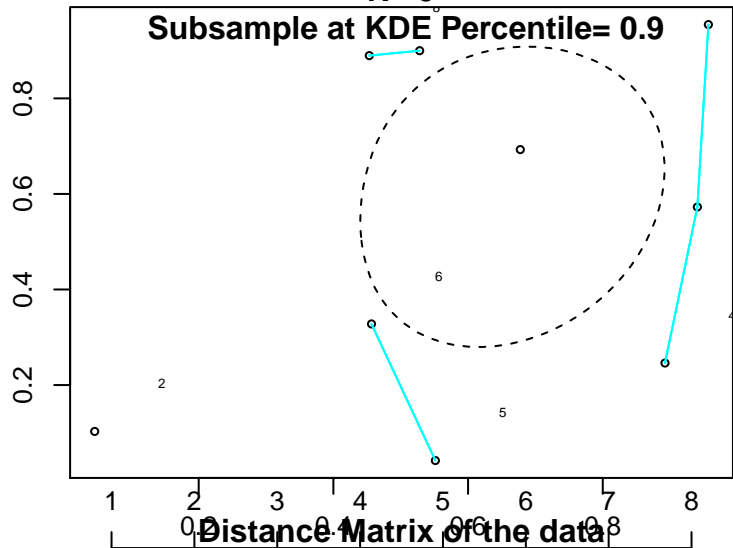
This is the 'Frame' at Euclidean distance = 0.382

Persistent Diagram

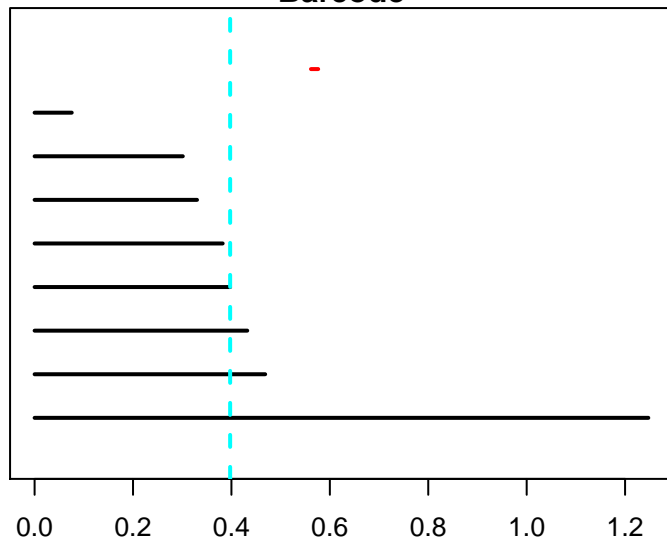


This is the 'Frame' at Euclidean distance = 0.397

Persistent Diagram

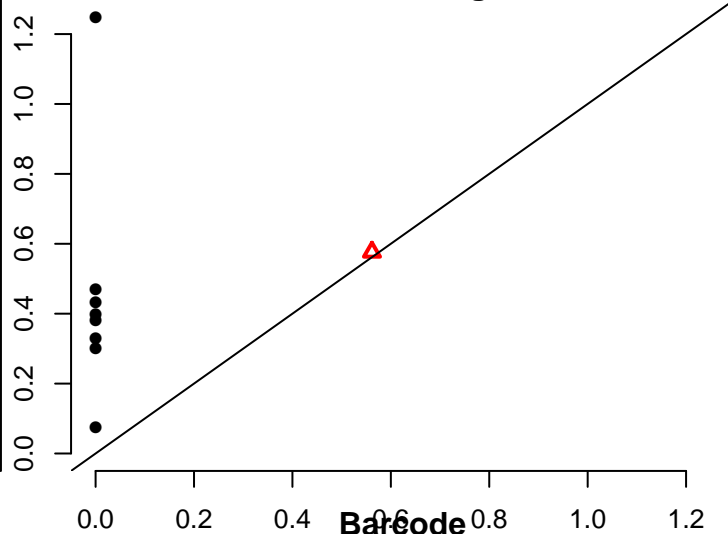
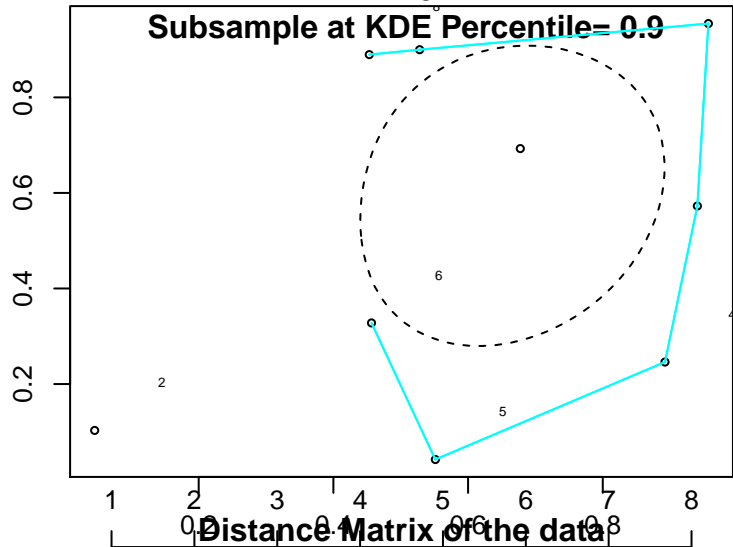


	0	1	2	3	4	5	6	7	8
0	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581	
1	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886	
2	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075	
3	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779	
4	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853	
5	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562	
6	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508	
7	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000	
8									

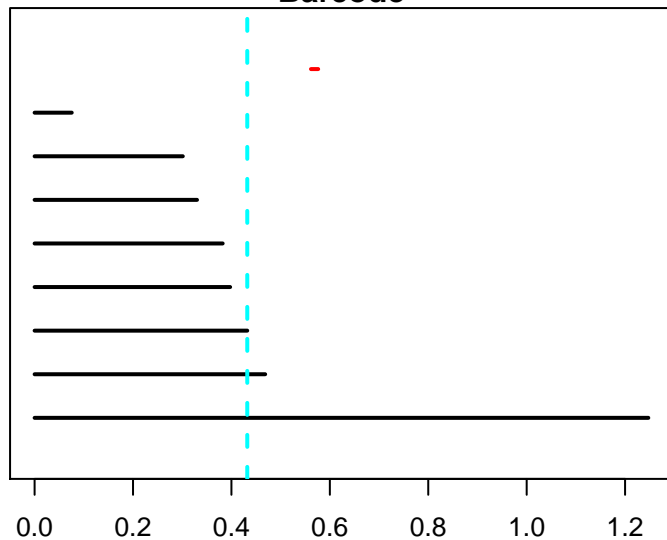


This is the 'Frame' at Euclidean distance = 0.432

Persistent Diagram

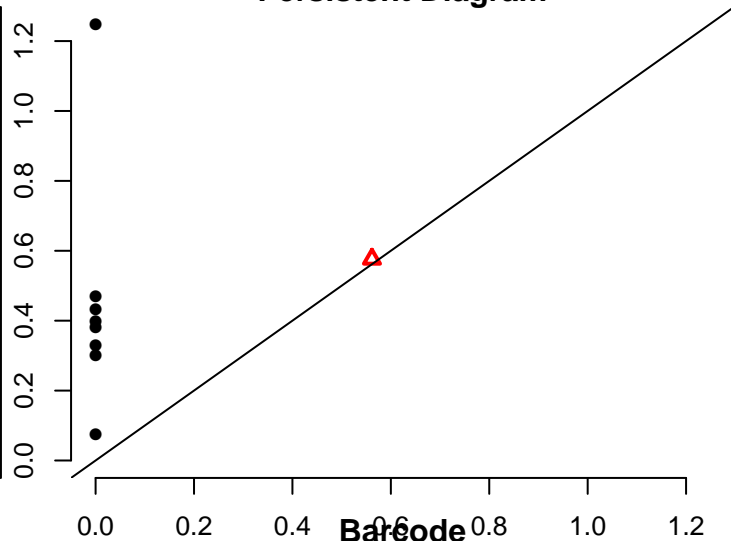
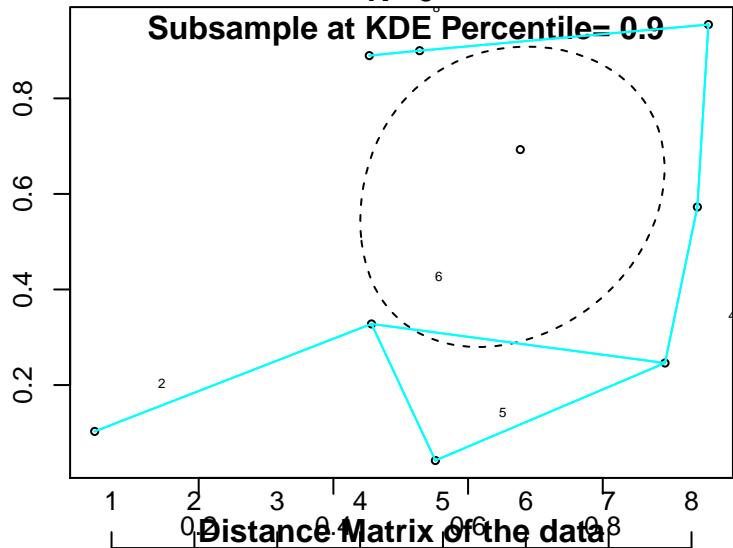


	1	2	3	4	5	6	7	8
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000

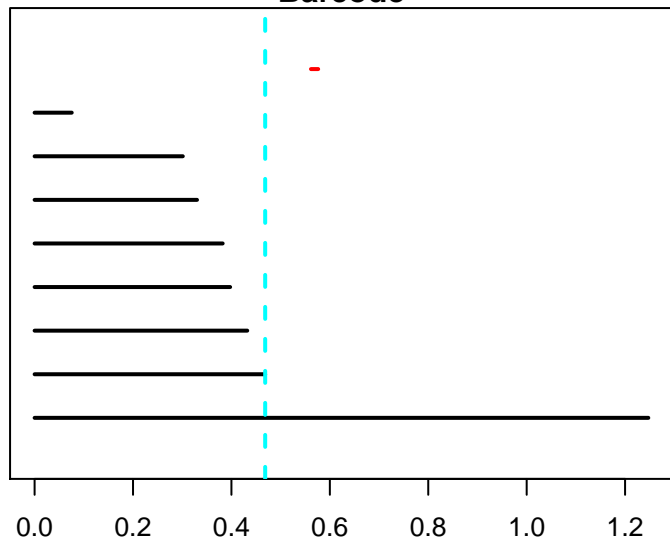


This is the 'Frame' at Euclidean distance = 0.469

Persistent Diagram



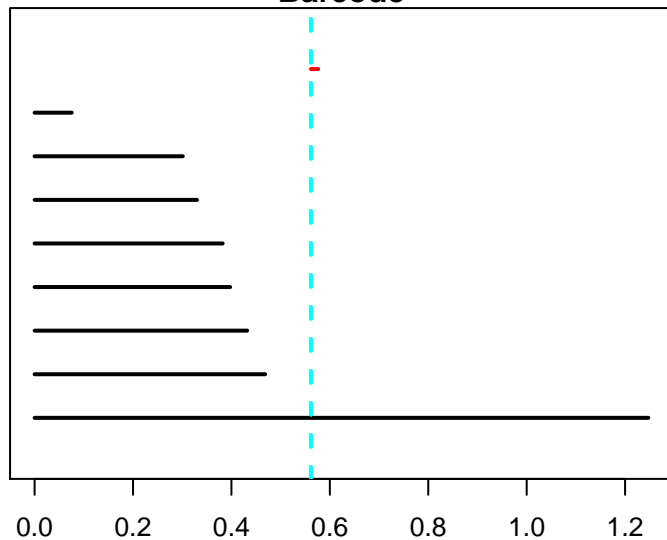
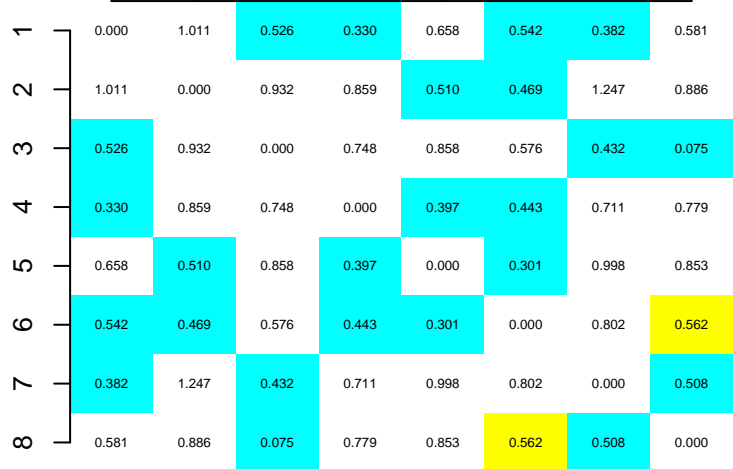
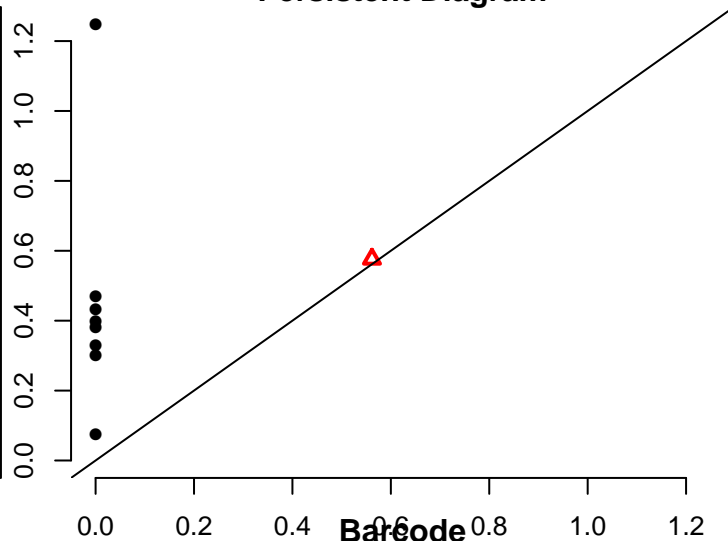
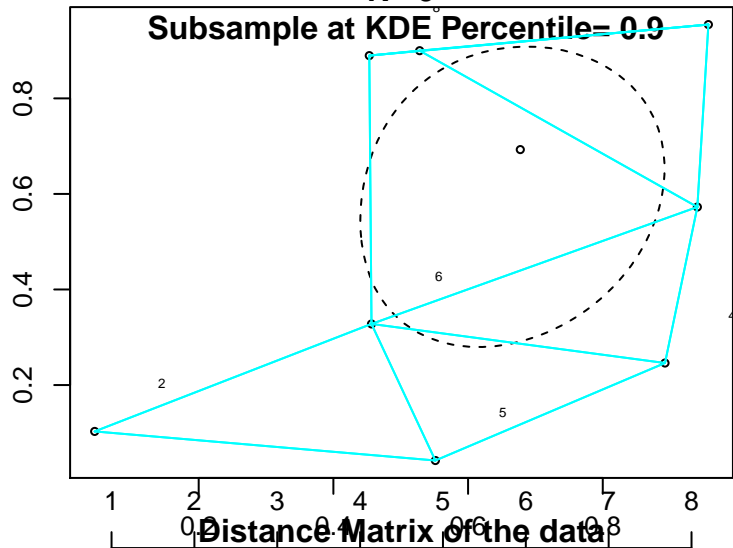
	1	2	3	4	5	6	7	8
1	0.000	1.011	0.526	0.330	0.658	0.542	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	0.469	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.576	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.443	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.301	0.998	0.853
6	0.542	0.469	0.576	0.443	0.301	0.000	0.802	0.562
7	0.382	1.247	0.432	0.711	0.998	0.802	0.000	0.508
8	0.581	0.886	0.075	0.779	0.853	0.562	0.508	0.000



This is the 'Frame' at Euclidean distance = 0.562

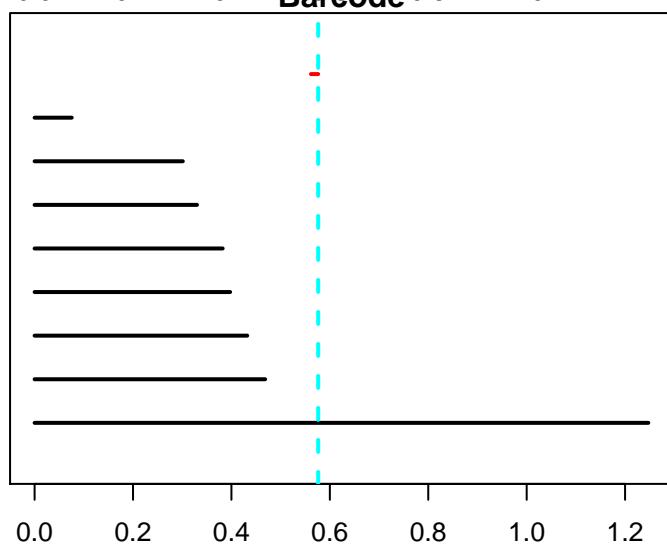
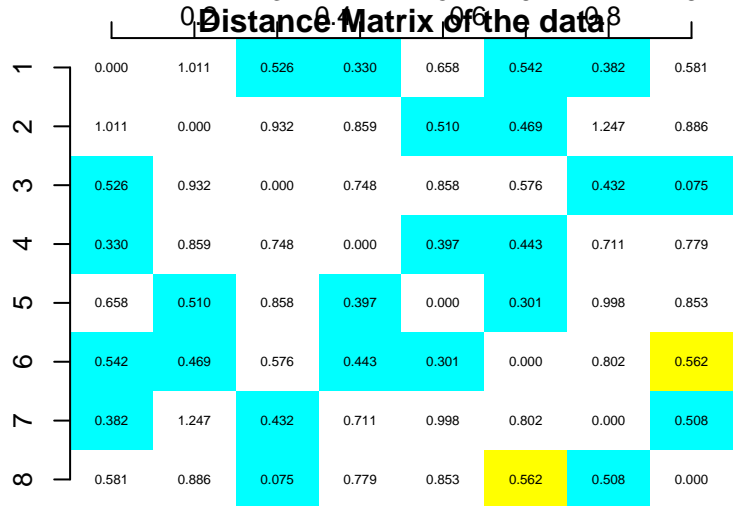
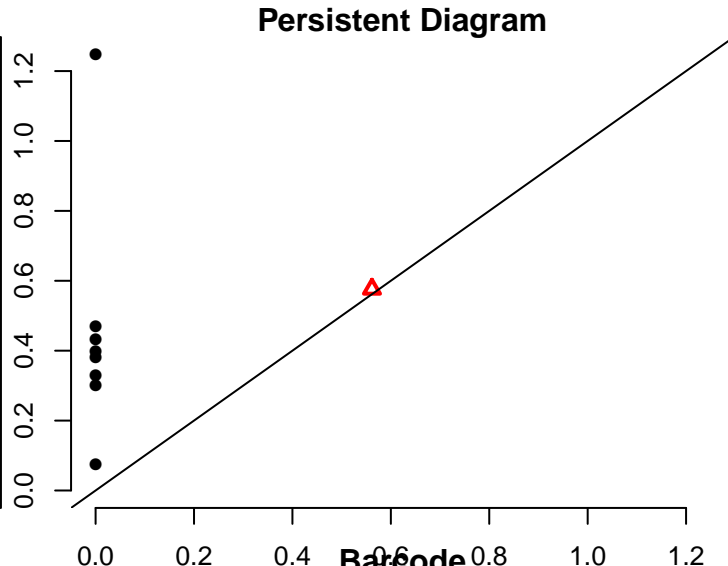
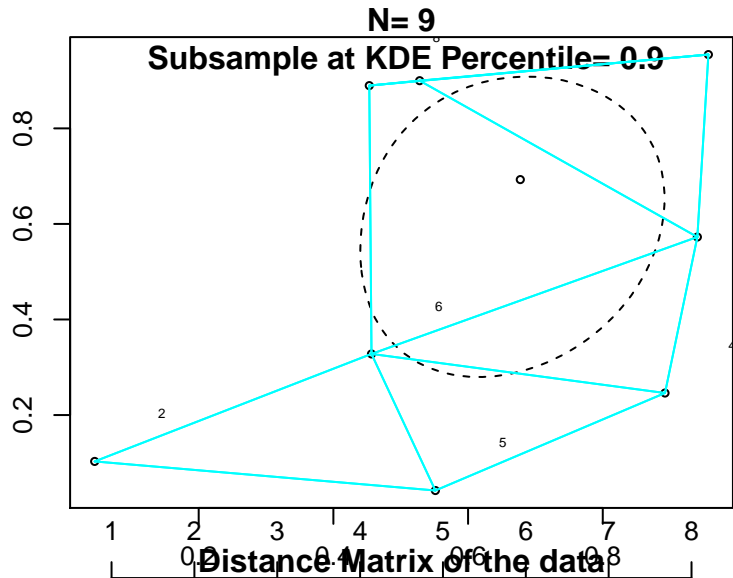
N= 9

Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.576

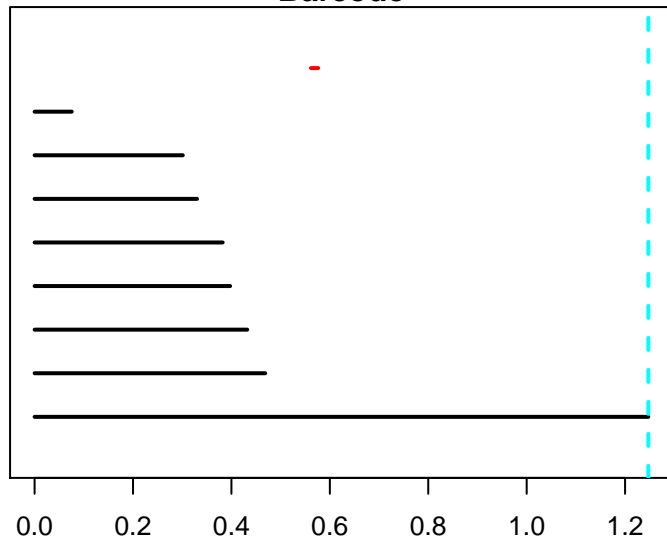
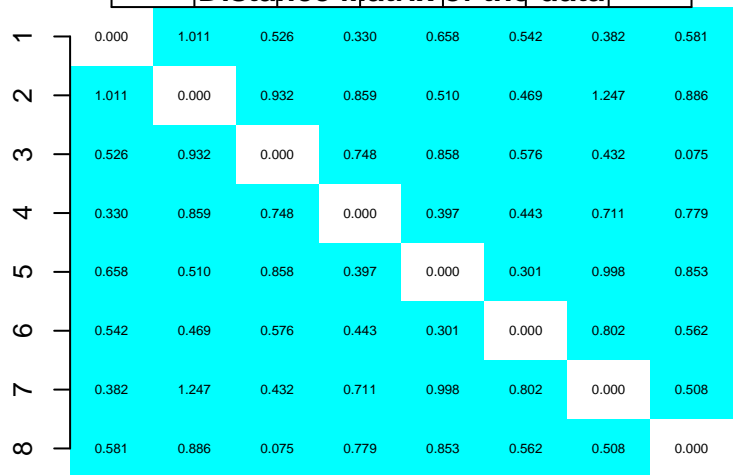
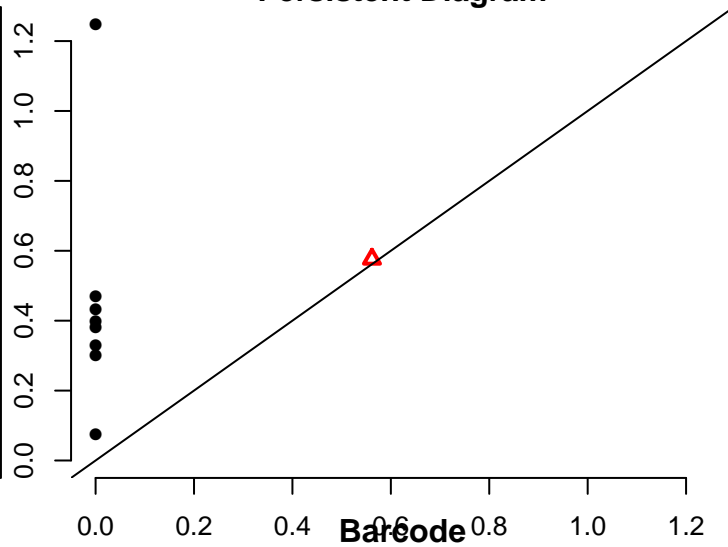
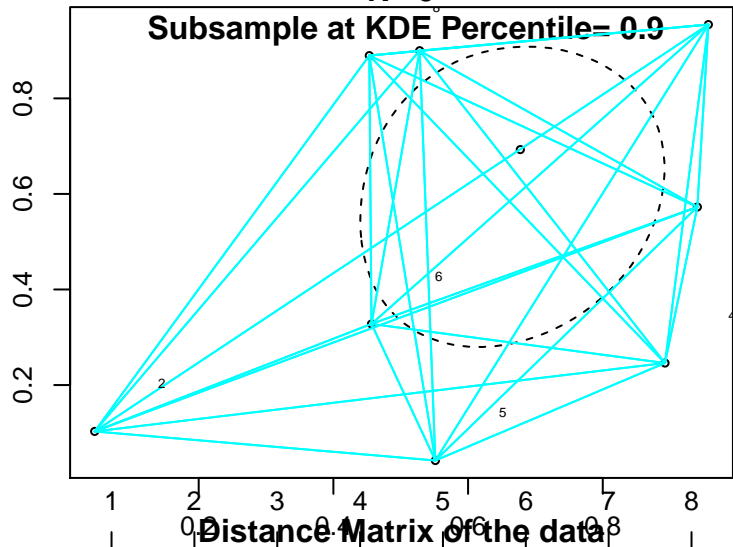
Persistent Diagram



This is the 'Frame' at Euclidean distance = 1.25

N= 9

Persistent Diagram

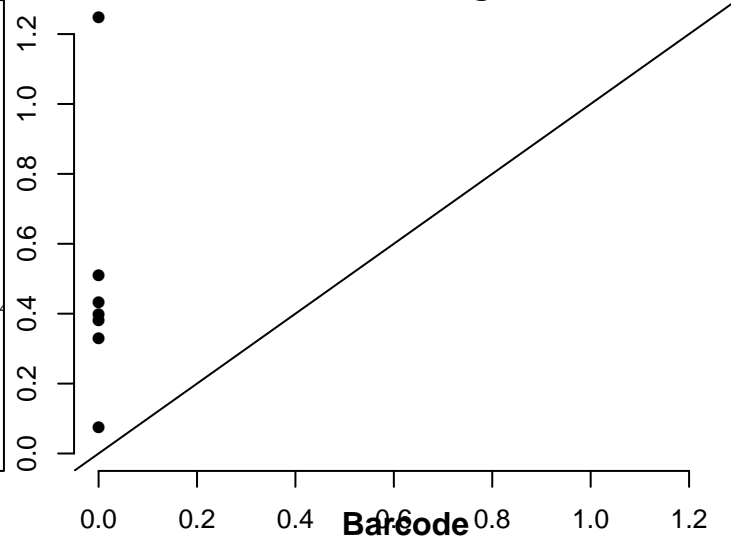
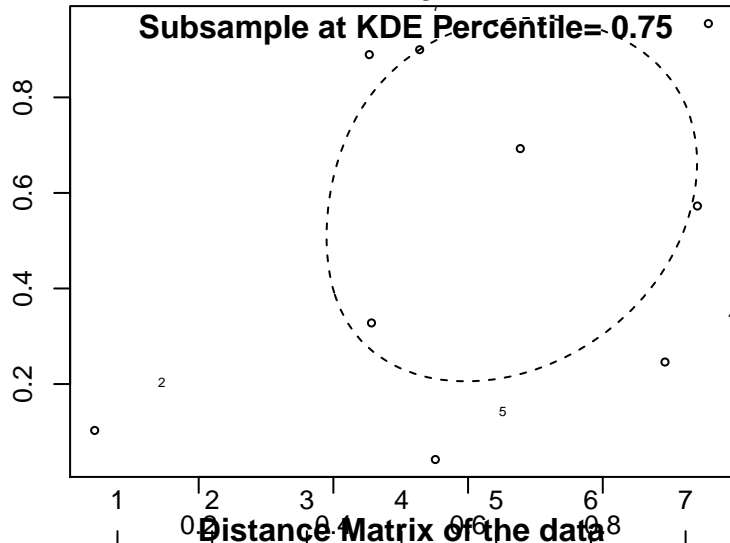


Spatial Poisson process, percentile .75

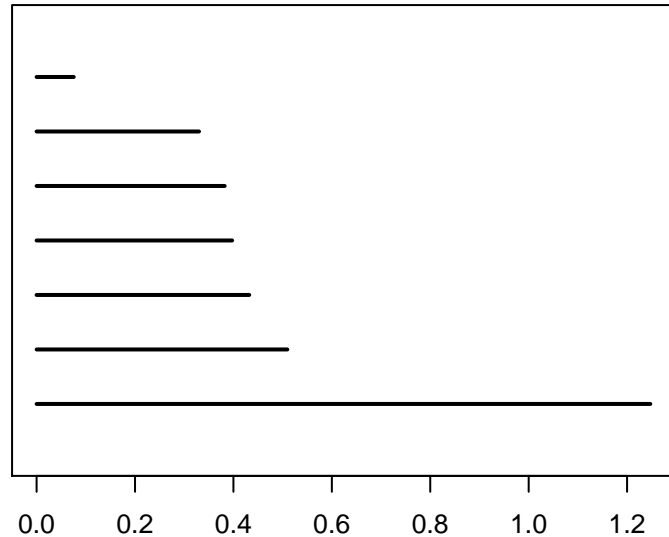
N= 9

Persistent Diagram

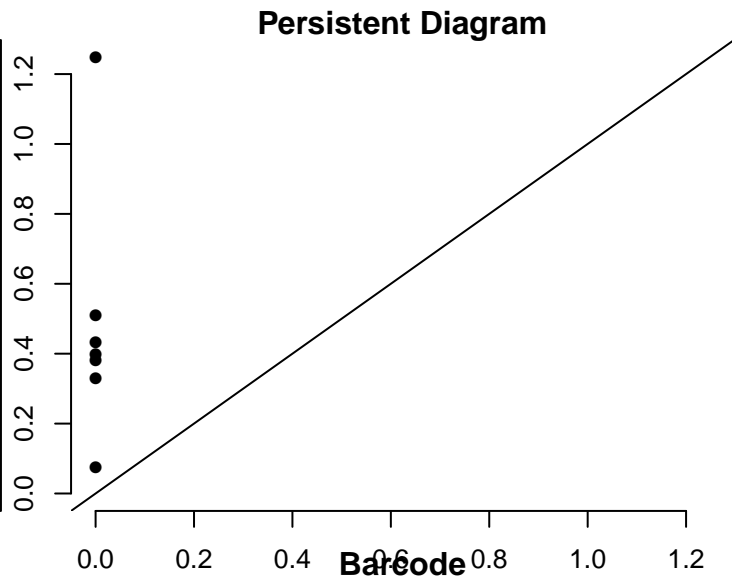
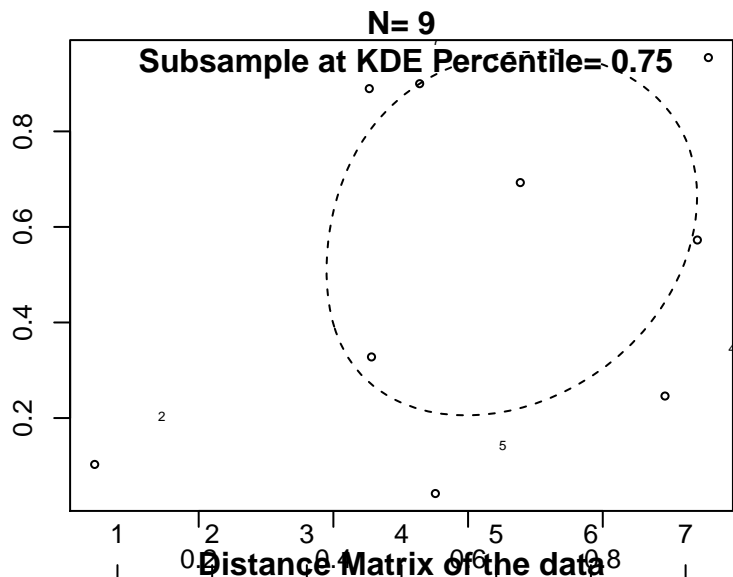
Subsample at KDE Percentile= 0.75



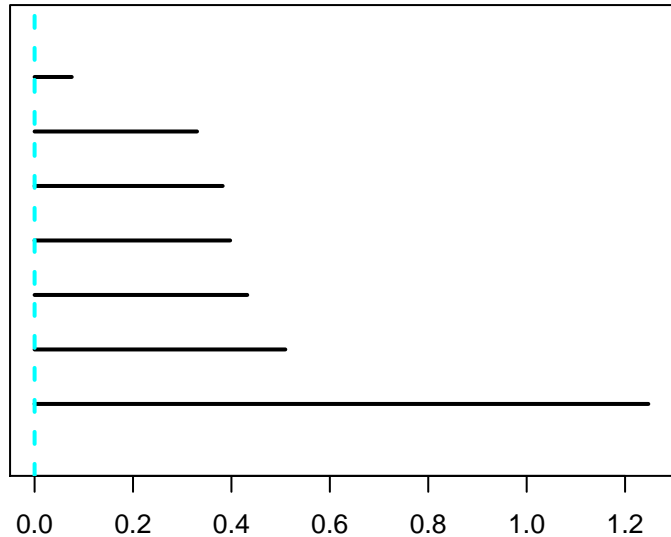
	1	2	3	4	5	6	7
1	0.000	1.011	0.526	0.330	0.658	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.998	0.853
6	0.382	1.247	0.432	0.711	0.998	0.000	0.508
7	0.581	0.886	0.075	0.779	0.853	0.508	0.000



This is the 'Frame' at Euclidean distance = 0



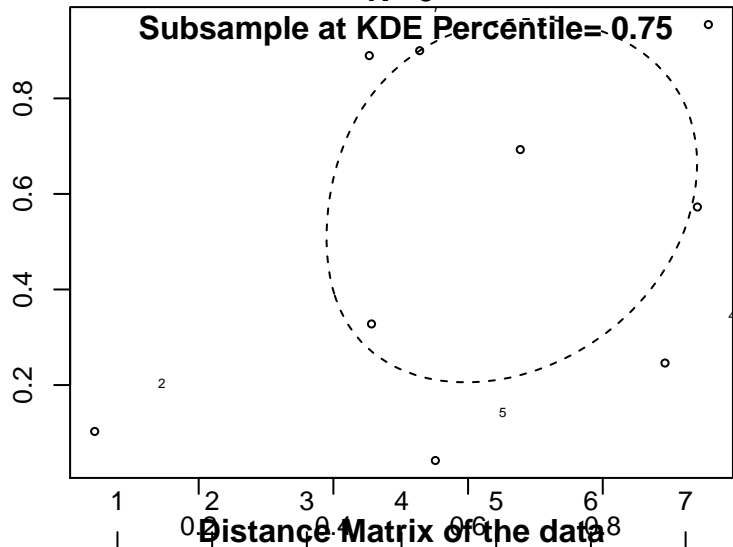
1	0.000	1.011	0.526	0.330	0.658	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.998	0.853
6	0.382	1.247	0.432	0.711	0.998	0.000	0.508
7	0.581	0.886	0.075	0.779	0.853	0.508	0.000



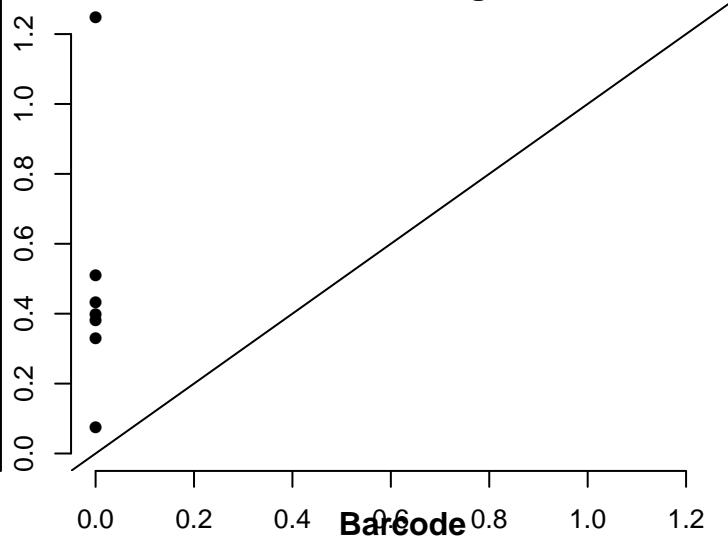
This is the 'Frame' at Euclidean distance = 0.0755

N= 9

Subsample at KDE Percentile= 0.75



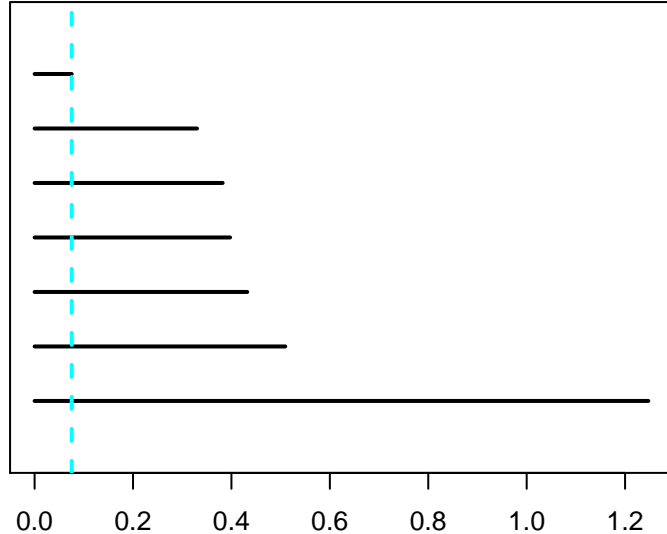
Persistent Diagram



Distance Matrix of the data

	1	2	3	4	5	6	7
1	0.000	1.011	0.526	0.330	0.658	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.998	0.853
6	0.382	1.247	0.432	0.711	0.998	0.000	0.508
7	0.581	0.886	0.075	0.779	0.853	0.508	0.000

Barcode

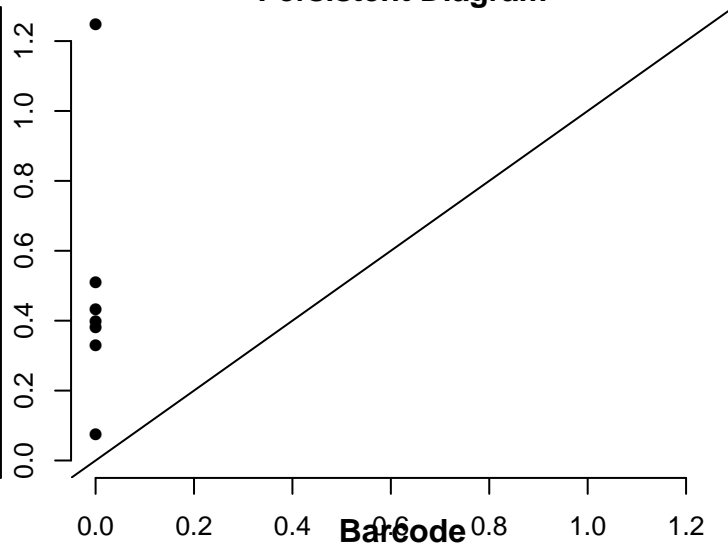
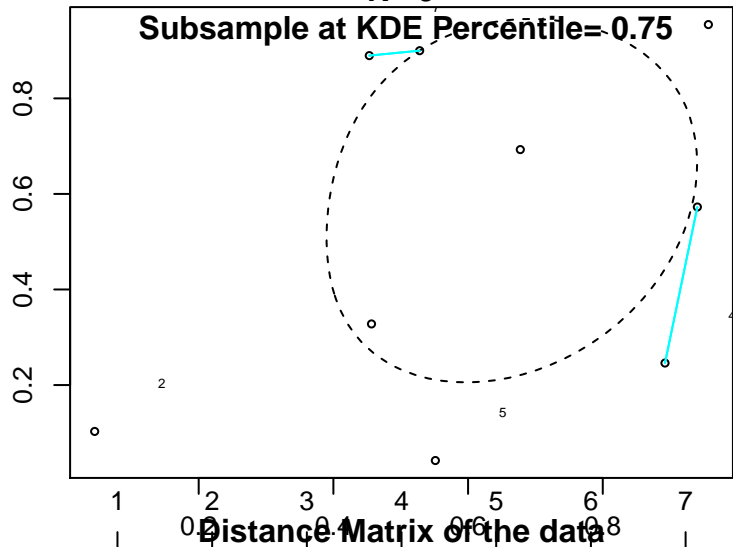


This is the 'Frame' at Euclidean distance = 0.33

N= 9

Persistent Diagram

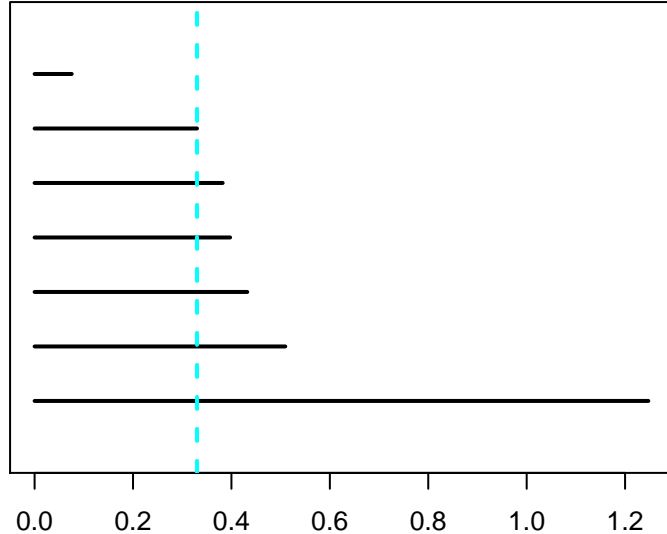
Subsample at KDE Percentile= 0.75



Distance Matrix of the data

1	0.000	1.011	0.526	0.330	0.658	0.382	0.581
2	1.011	0.000	0.932	0.859	0.510	1.247	0.886
3	0.526	0.932	0.000	0.748	0.858	0.432	0.075
4	0.330	0.859	0.748	0.000	0.397	0.711	0.779
5	0.658	0.510	0.858	0.397	0.000	0.998	0.853
6	0.382	1.247	0.432	0.711	0.998	0.000	0.508
7	0.581	0.886	0.075	0.779	0.853	0.508	0.000

Barcode

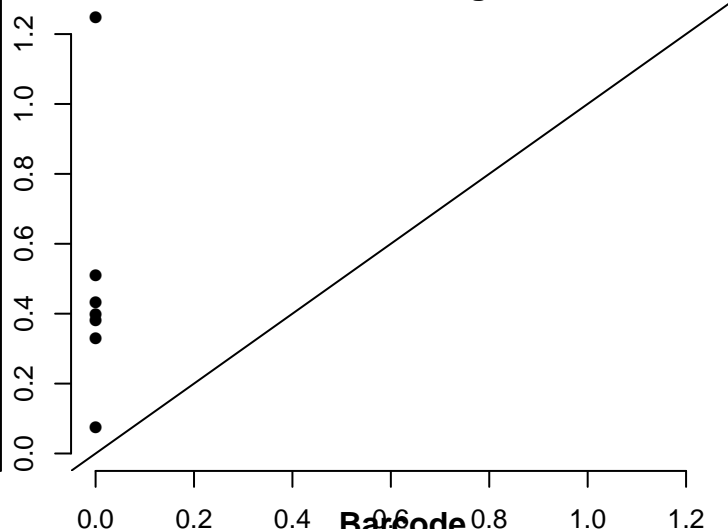
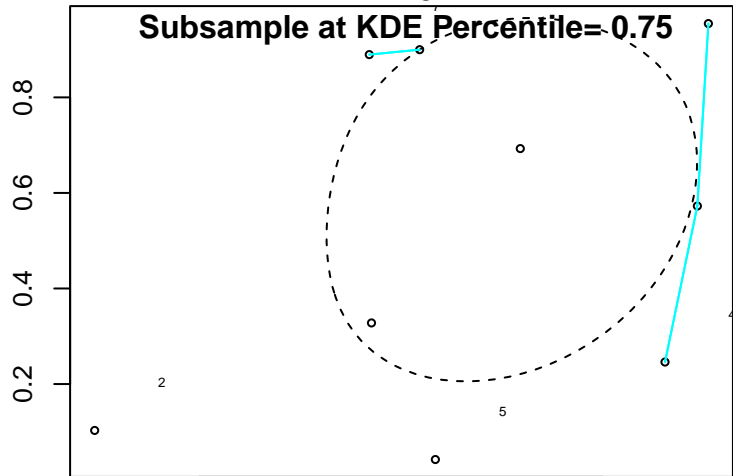


This is the 'Frame' at Euclidean distance = 0.382

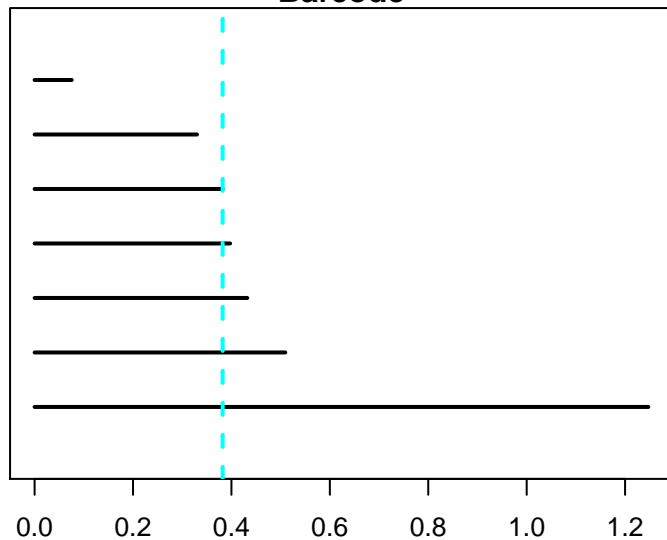
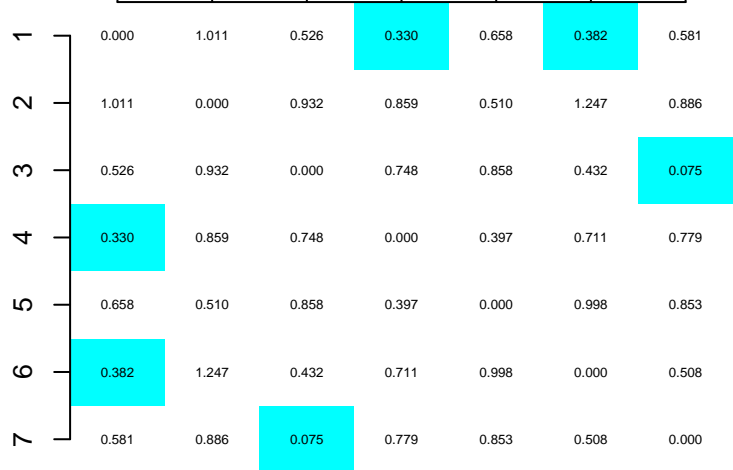
N= 9

Persistent Diagram

Subsample at KDE Percentile= 0.75



Distance Matrix of the data

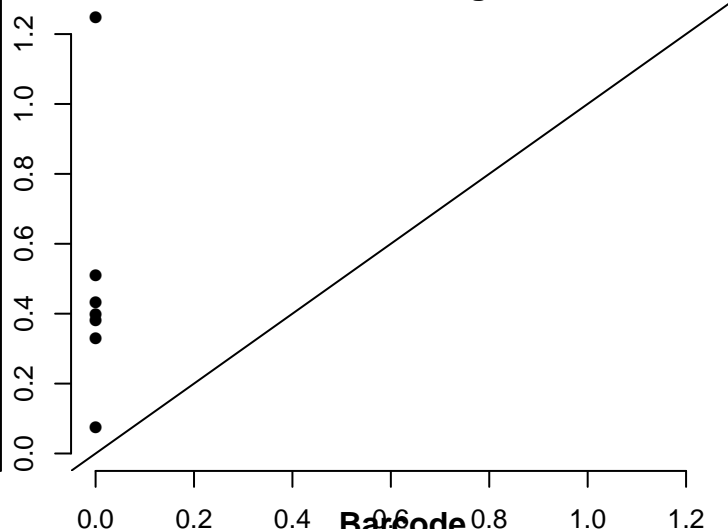
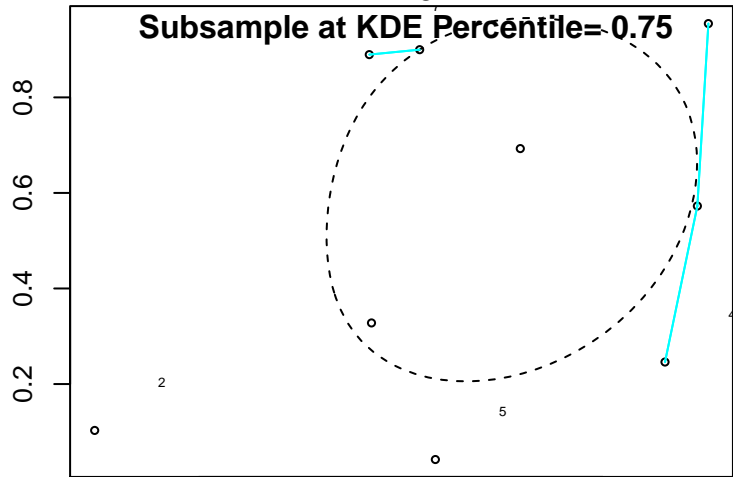


This is the 'Frame' at Euclidean distance = 0.397

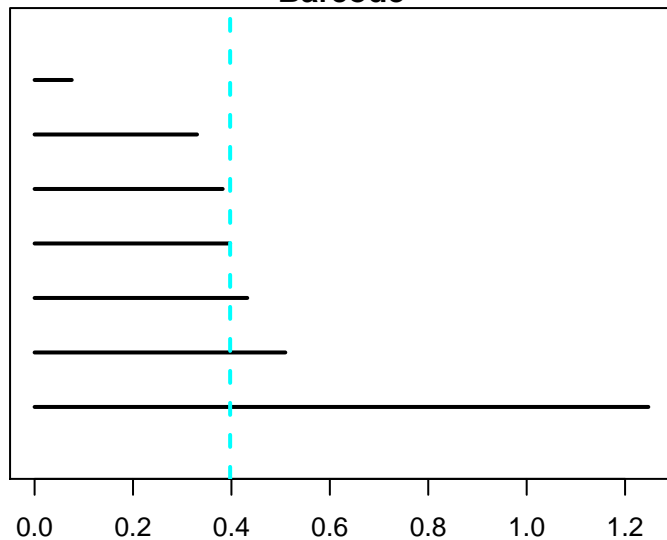
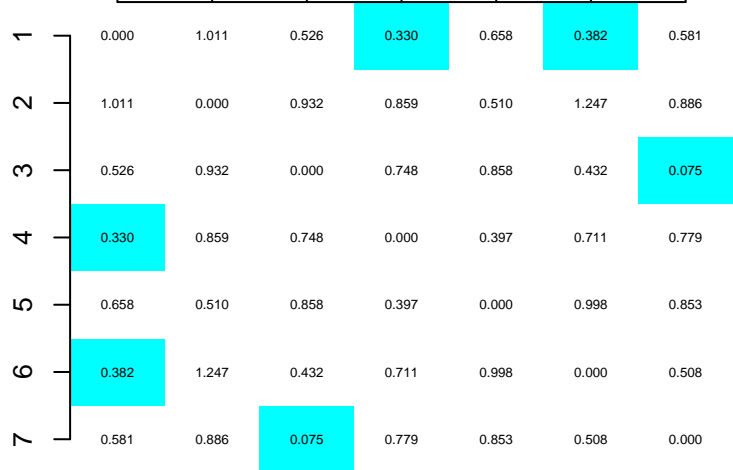
N= 9

Persistent Diagram

Subsample at KDE Percentile= 0.75



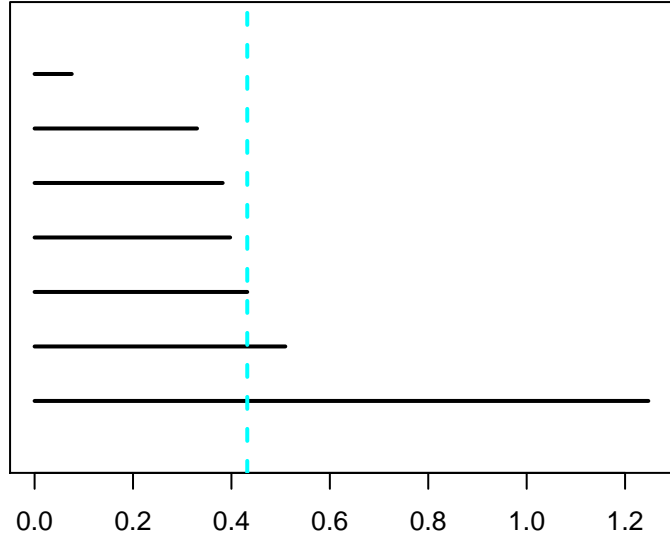
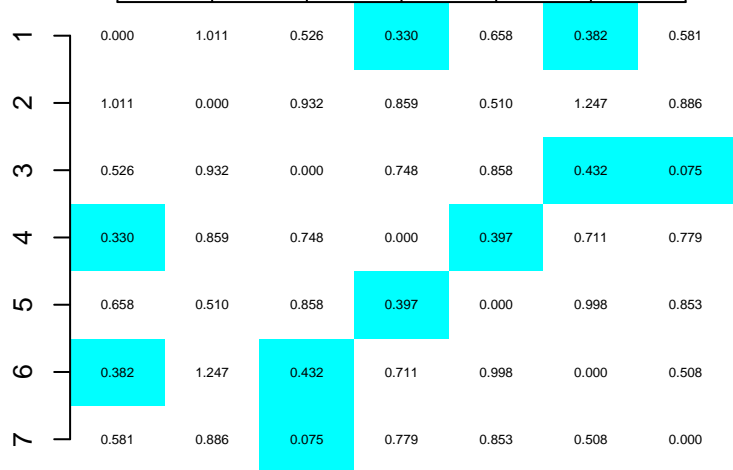
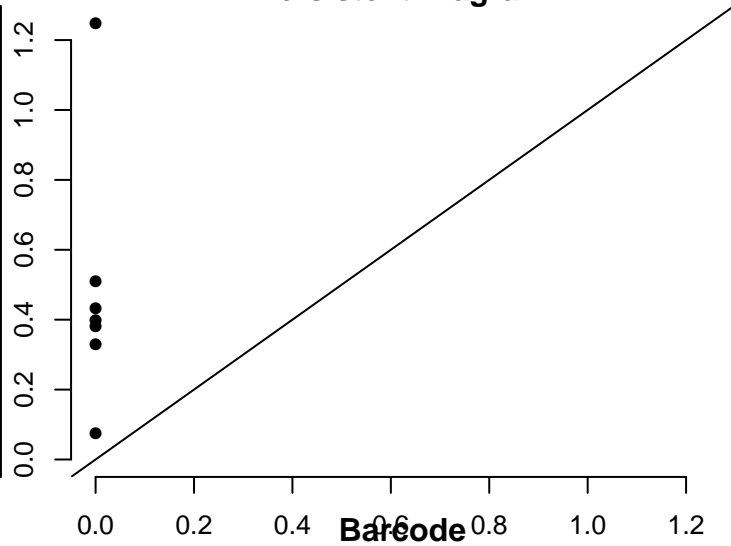
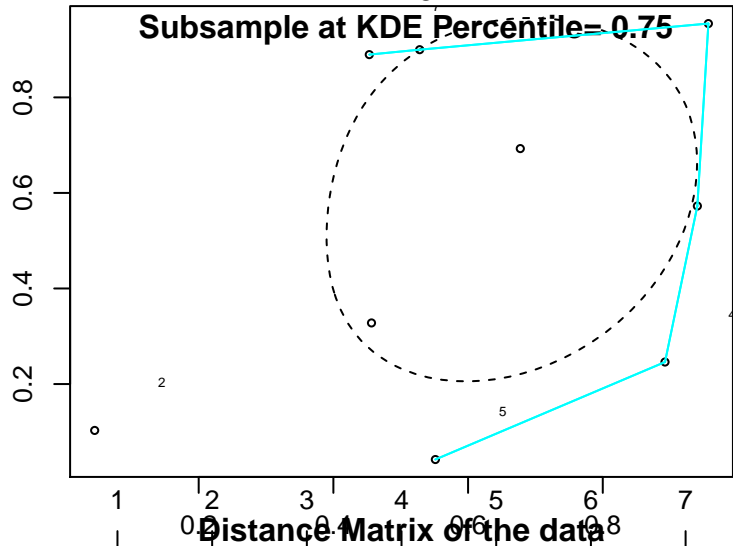
Distance Matrix of the data



This is the 'Frame' at Euclidean distance = 0.432

N= 9

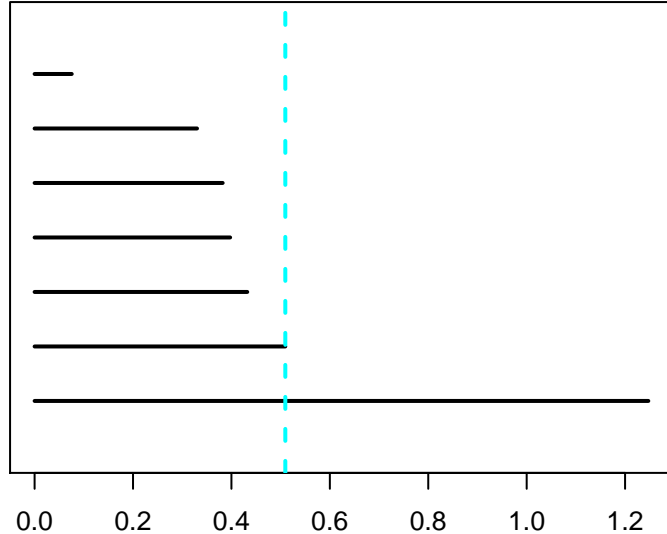
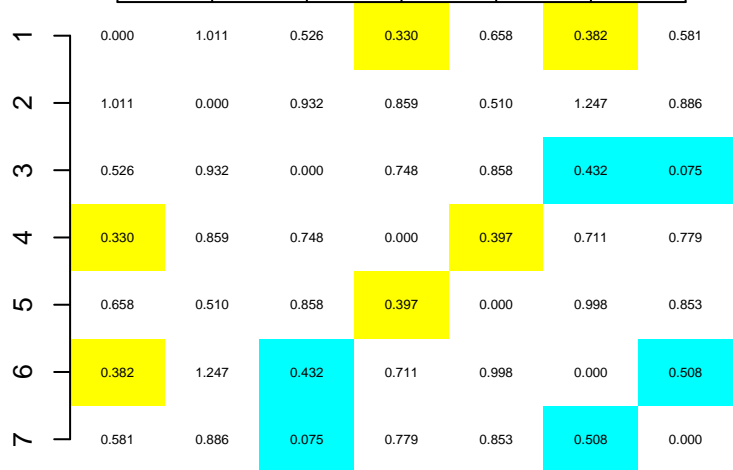
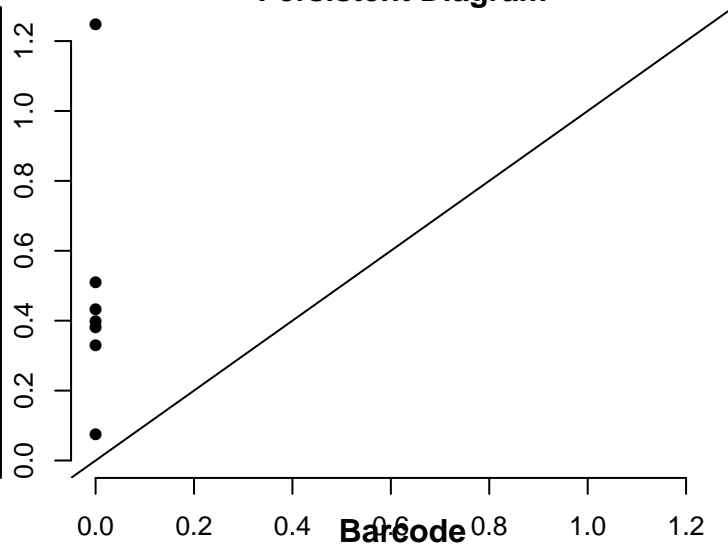
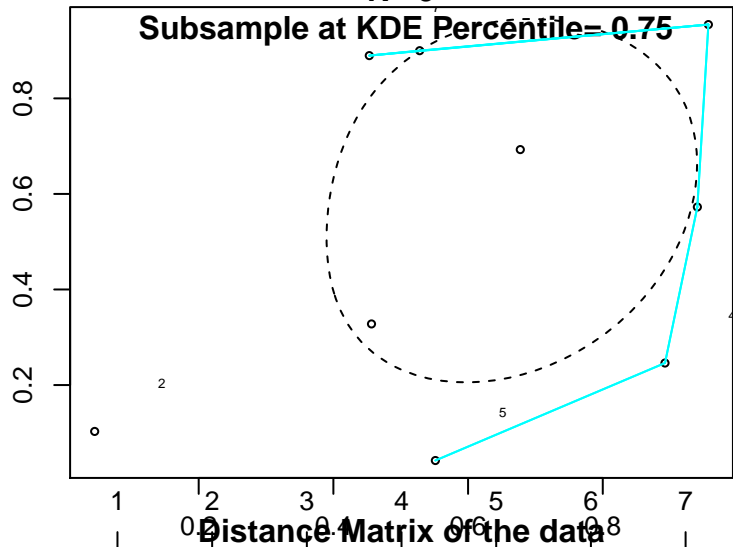
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.51

N= 9

Persistent Diagram

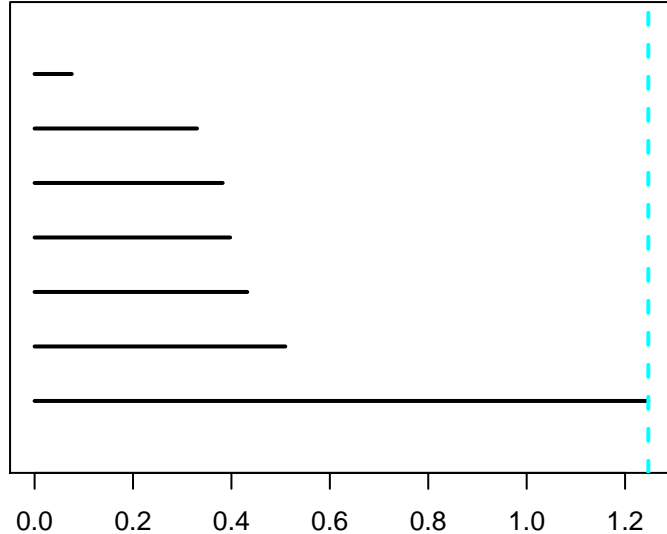
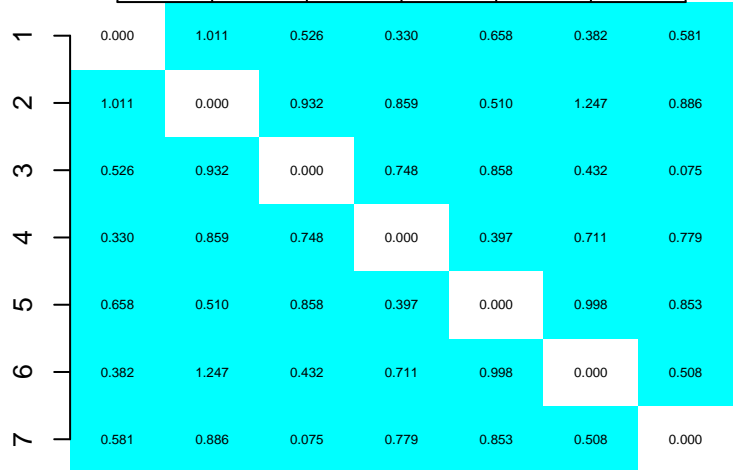
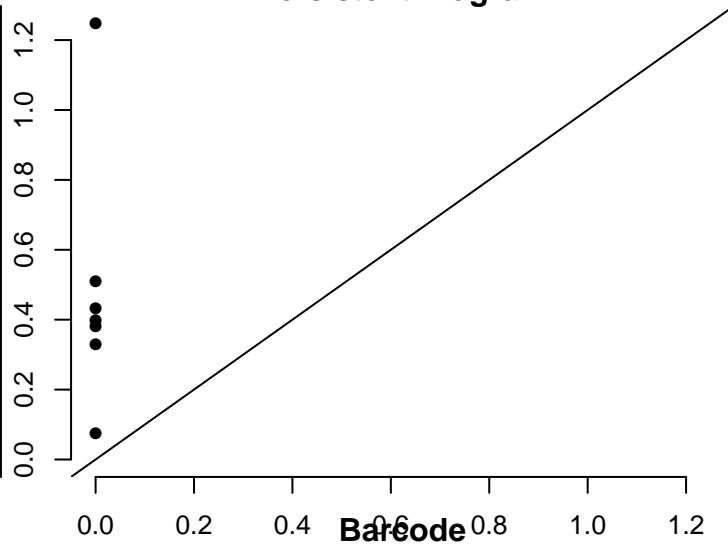
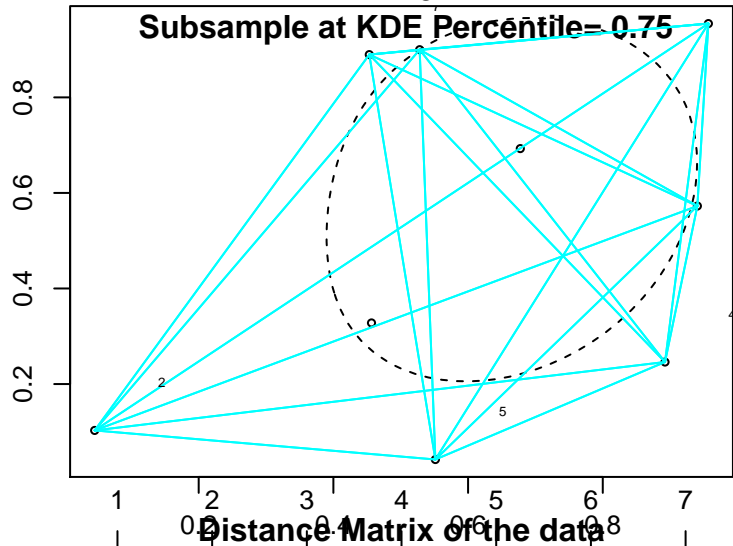


This is the 'Frame' at Euclidean distance = 1.25

N= 9

Persistent Diagram

Subsample at KDE Percentile= 0.75

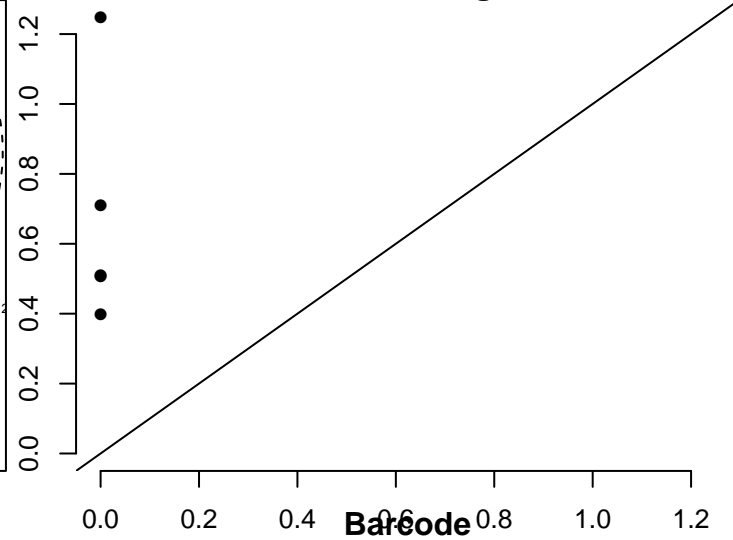
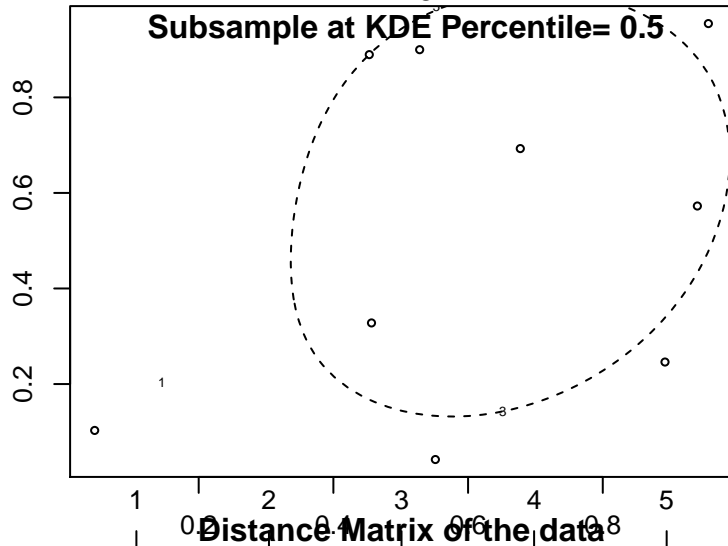


Spatial Poisson process, percentile .5

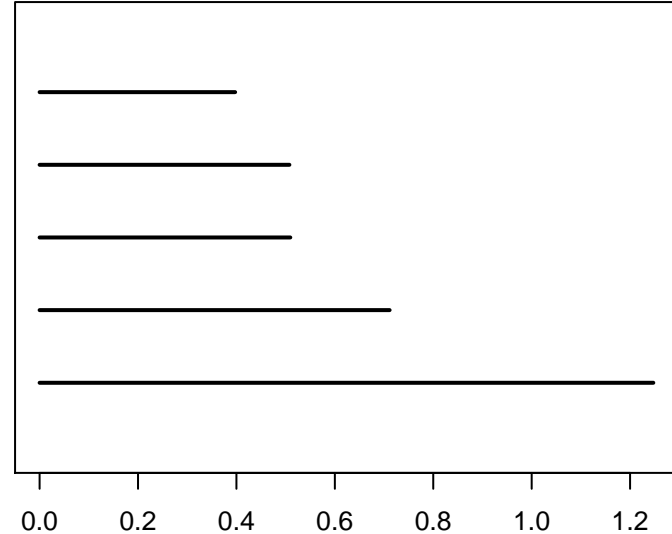
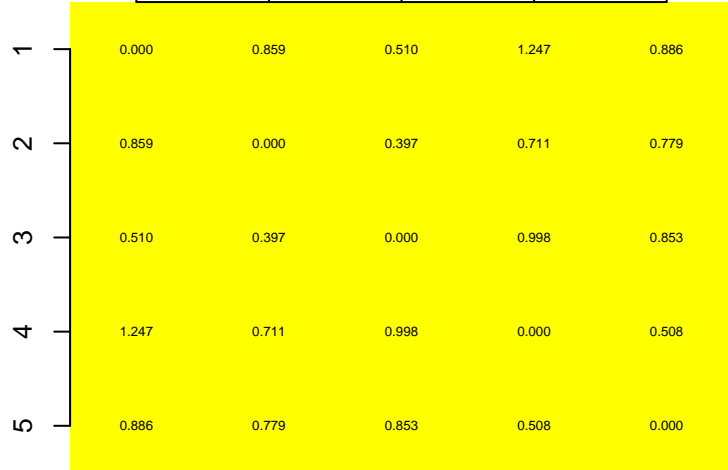
N= 9

Persistent Diagram

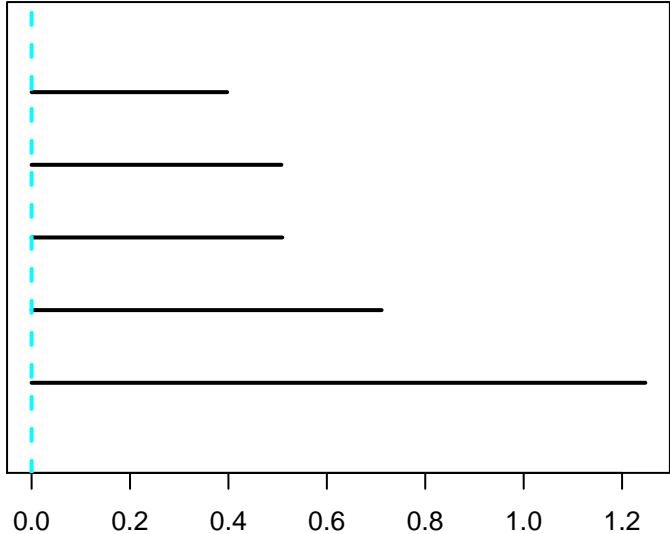
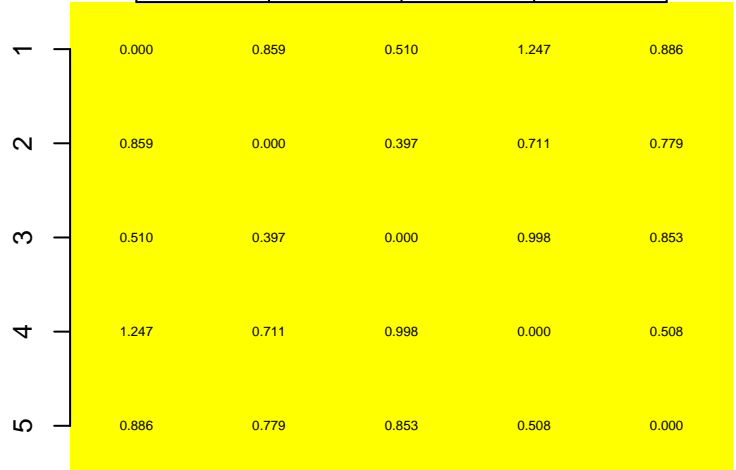
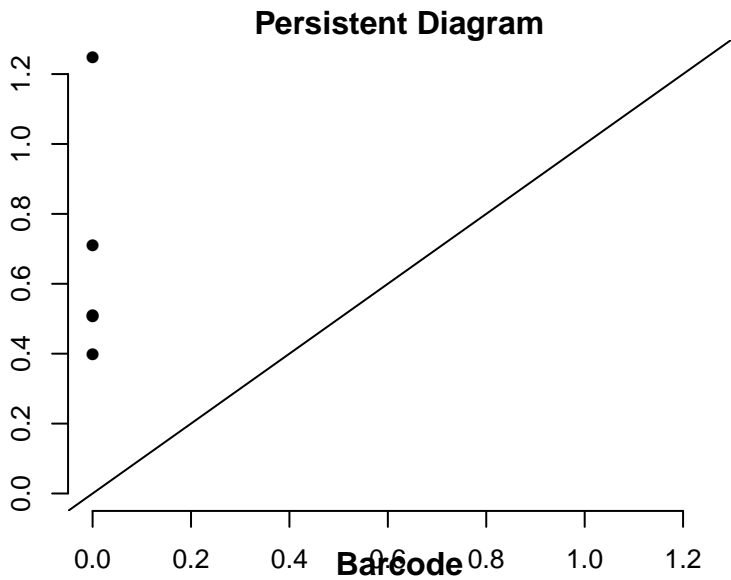
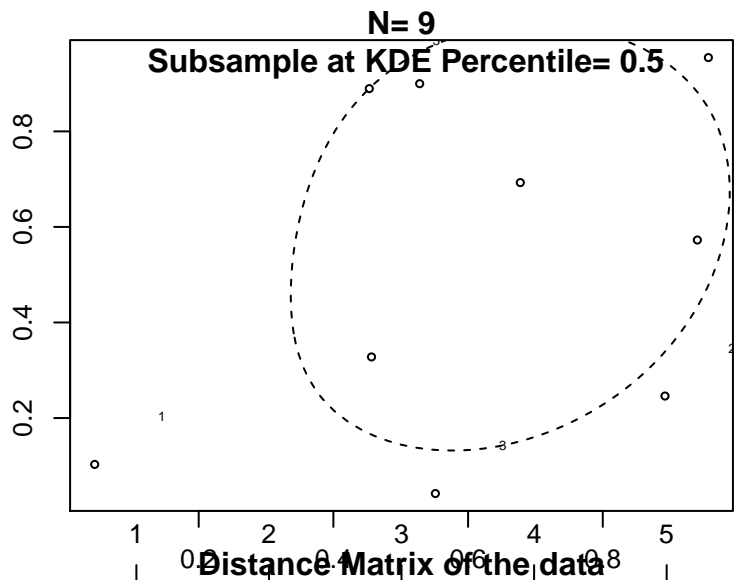
Subsample at KDE Percentile= 0.5



Distance Matrix of the data



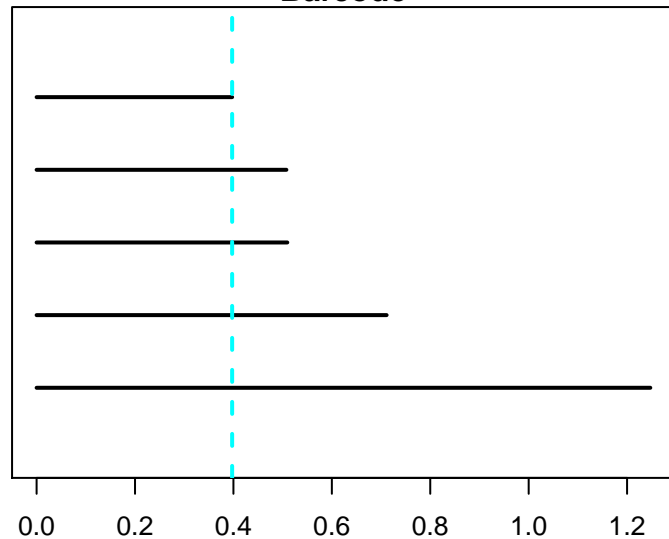
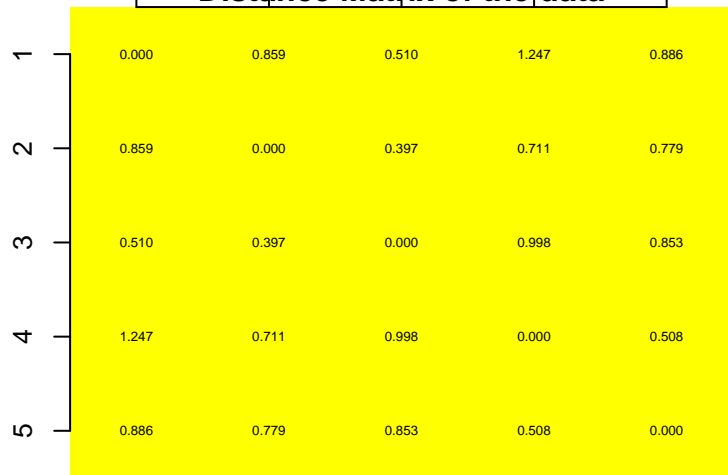
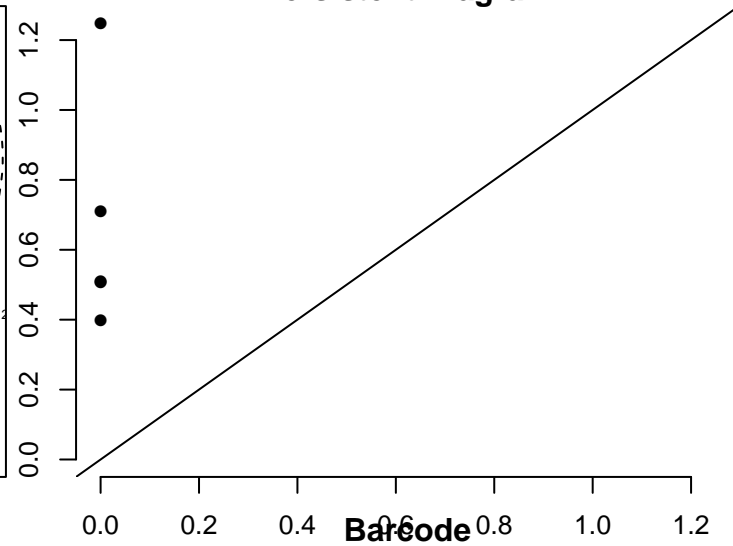
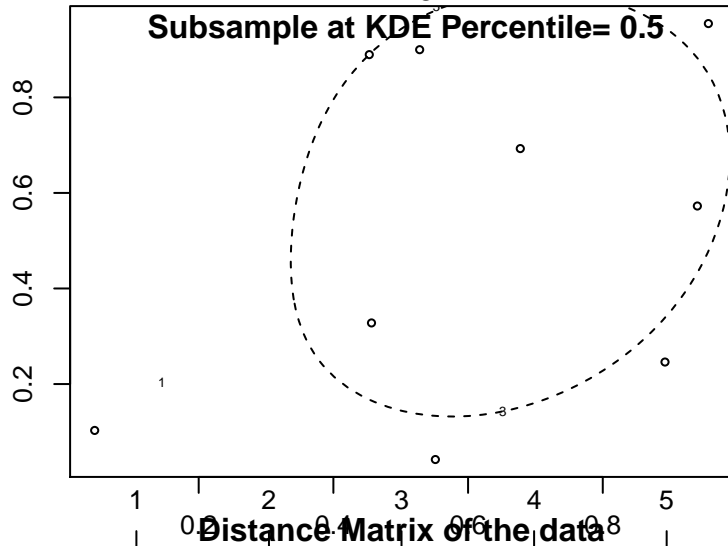
This is the 'Frame' at Euclidean distance = 0



This is the 'Frame' at Euclidean distance = 0.397

N= 9

Persistent Diagram

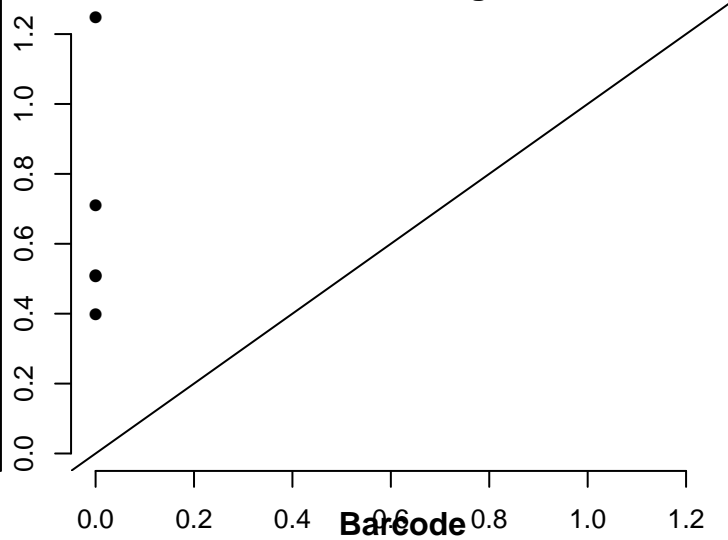
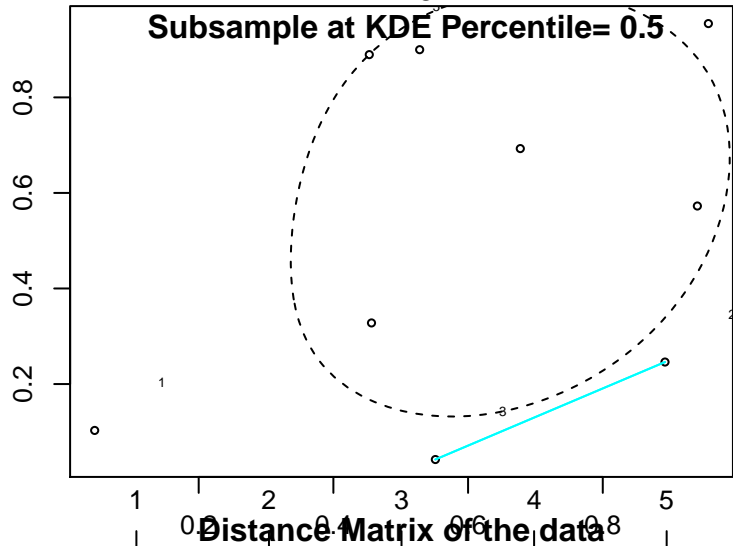


This is the 'Frame' at Euclidean distance = 0.508

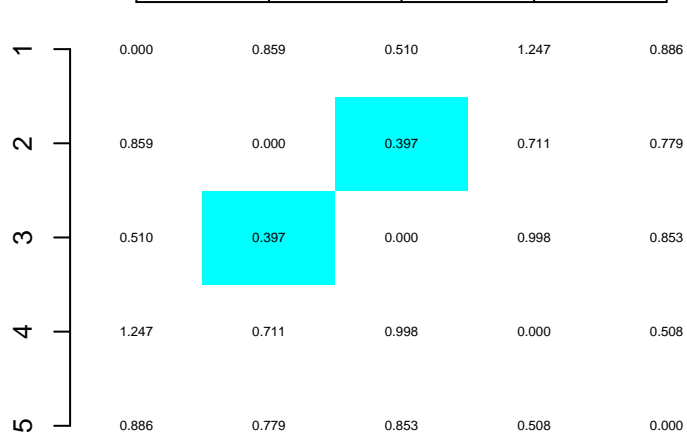
N= 9

Persistent Diagram

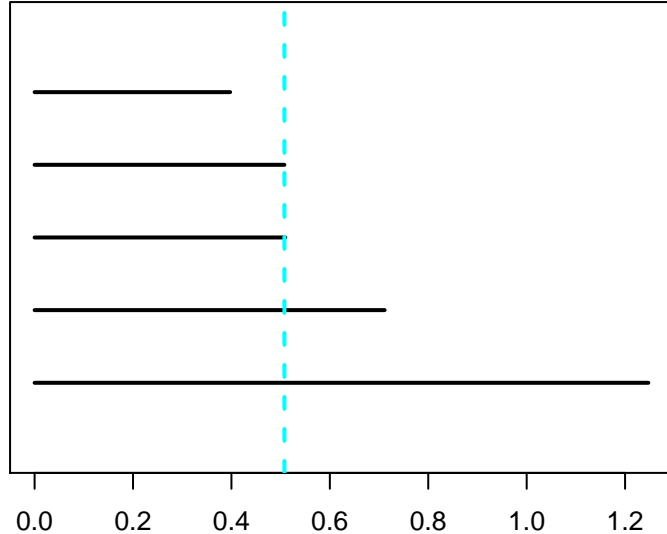
Subsample at KDE Percentile= 0.5



Distance Matrix of the data



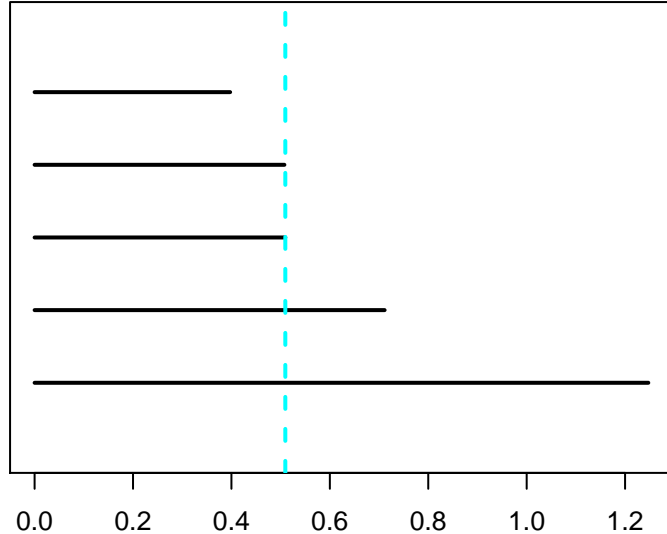
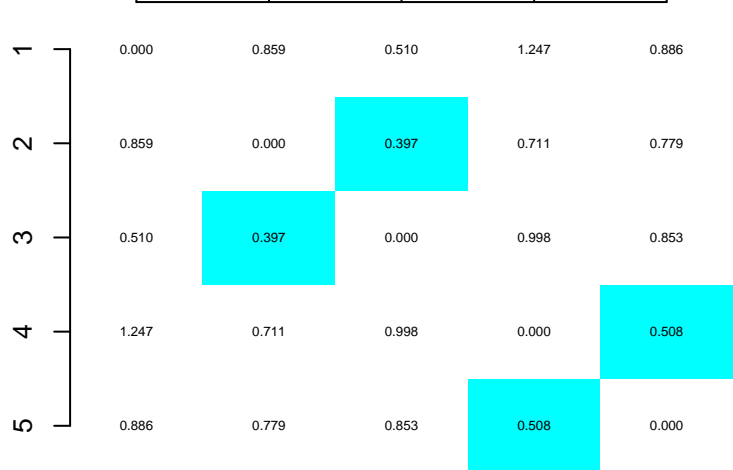
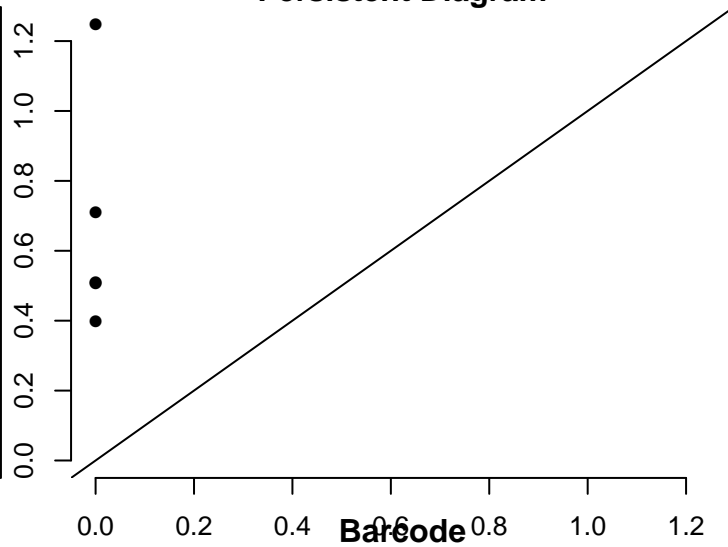
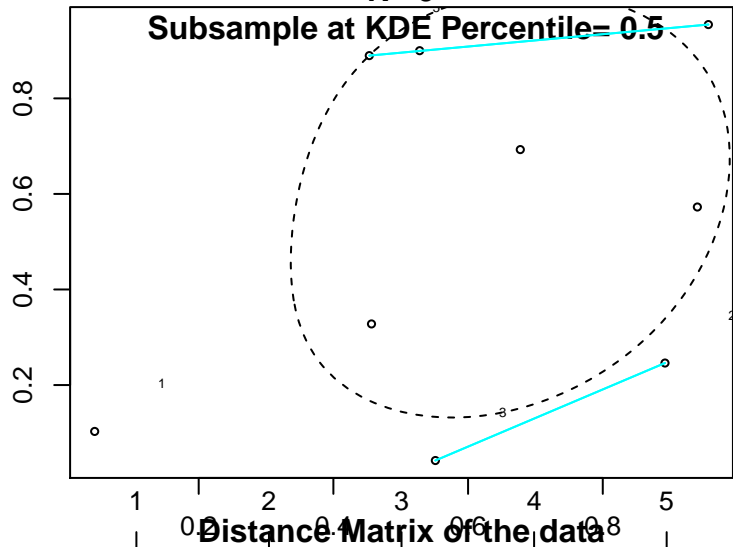
Barcode



This is the 'Frame' at Euclidean distance = 0.51

N= 9

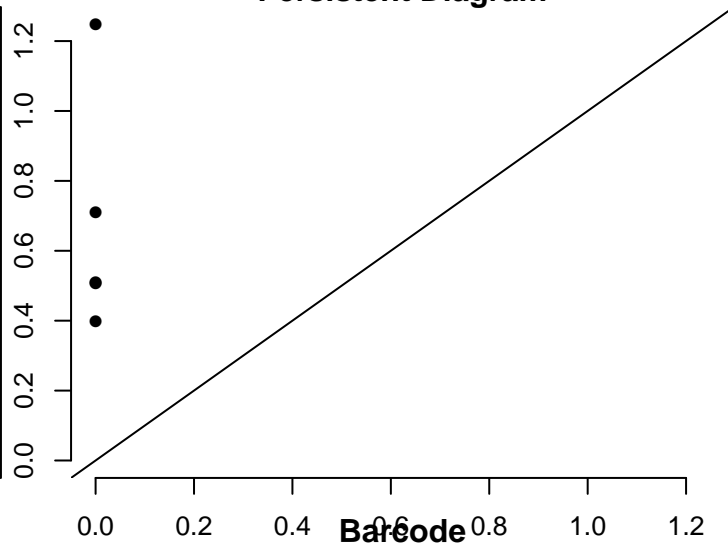
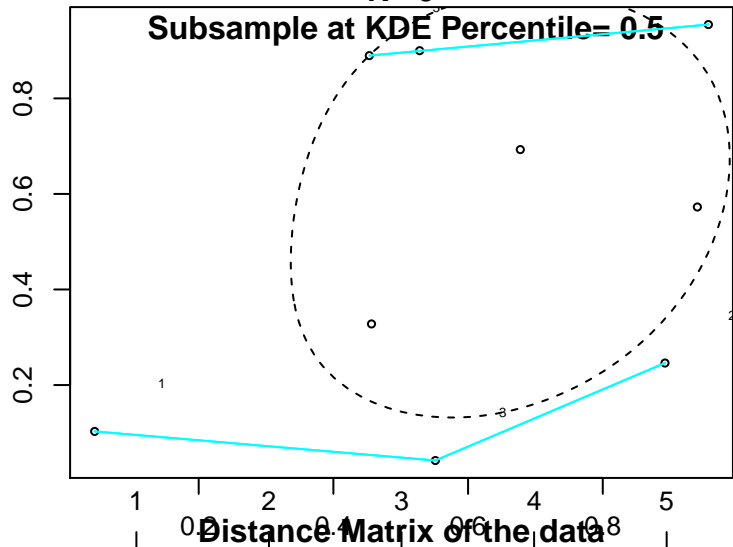
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.711

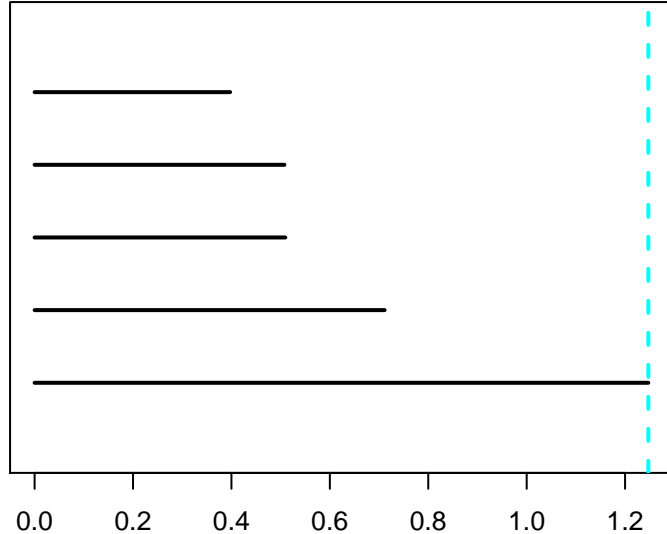
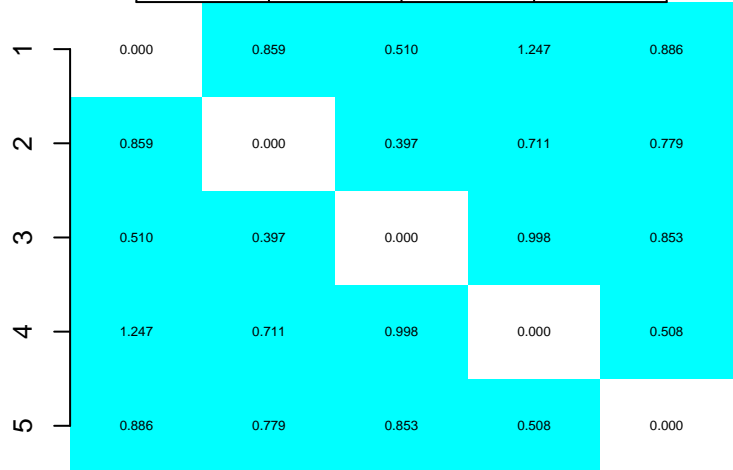
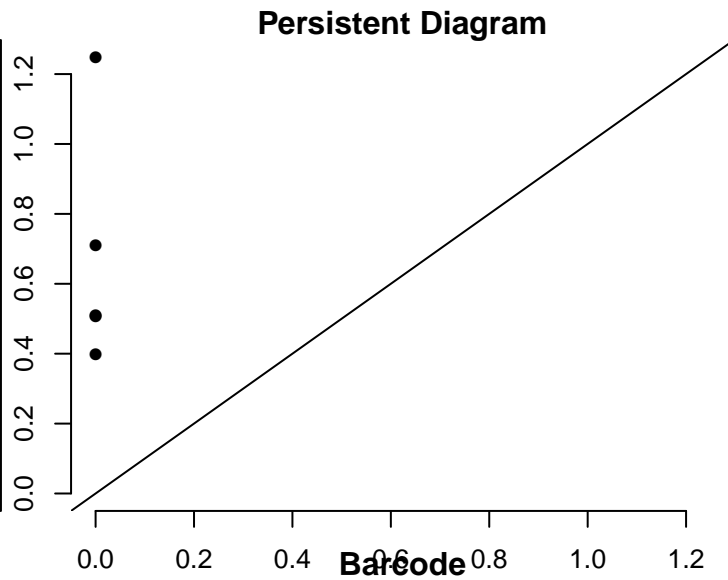
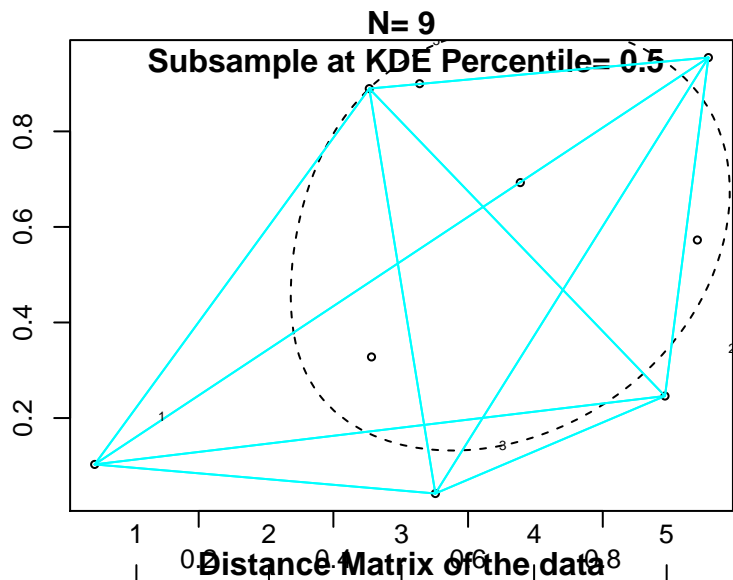
N= 9

Persistent Diagram



This is the 'Frame' at Euclidean distance = 1.25

Persistent Diagram

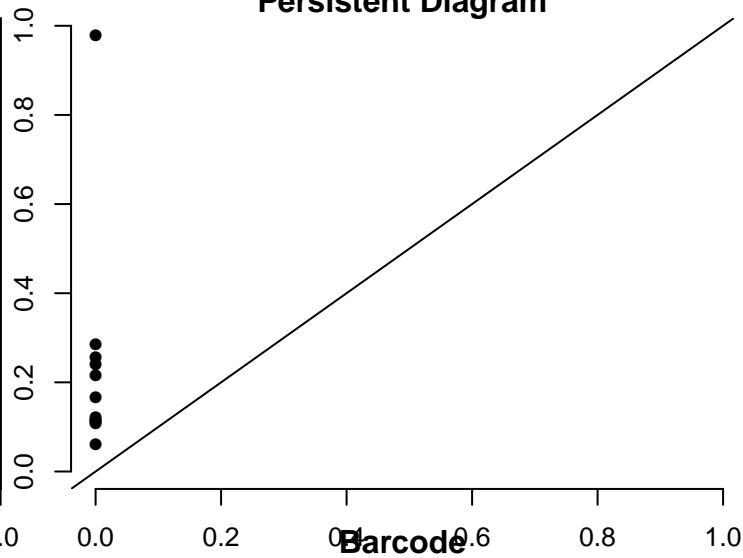
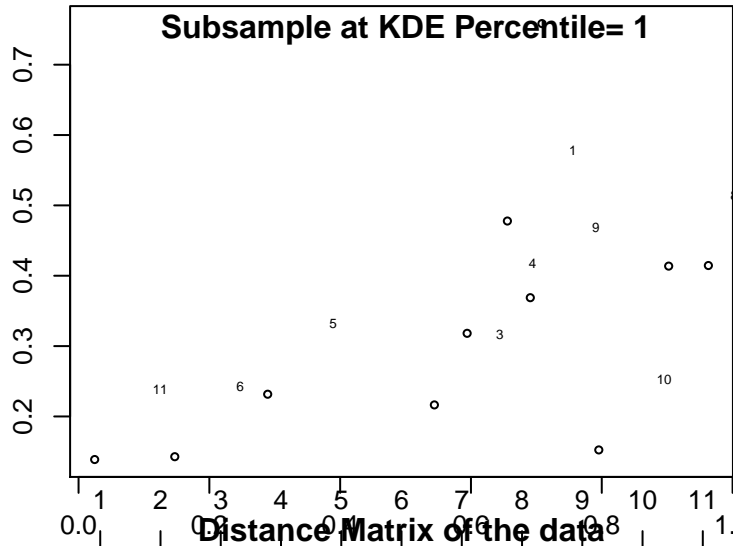


Result and Frame-by-frame plots for
a simulated realisation of the NONSTATIONARY Matern Model I inhibition process model
with intensity 10 and inhibit distance 0.01

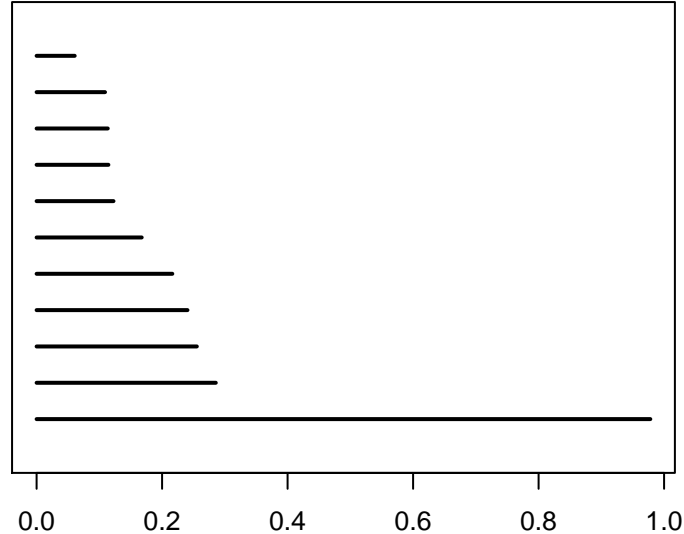
NONSTATIONARY Matern inhibition process, percentile 1

N= 11

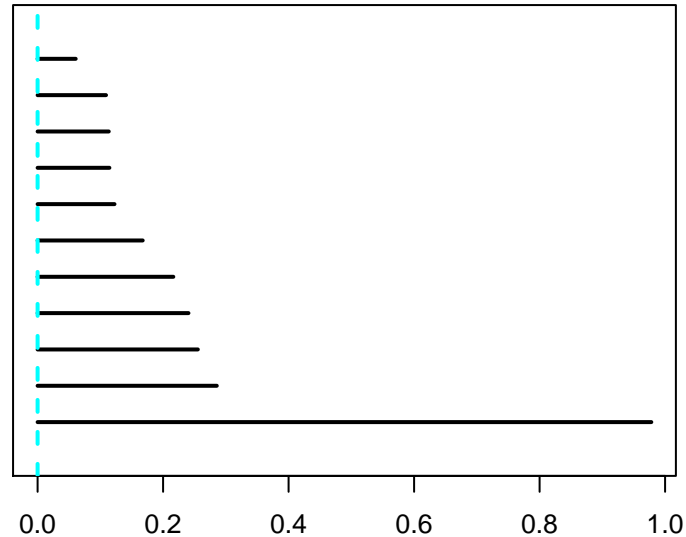
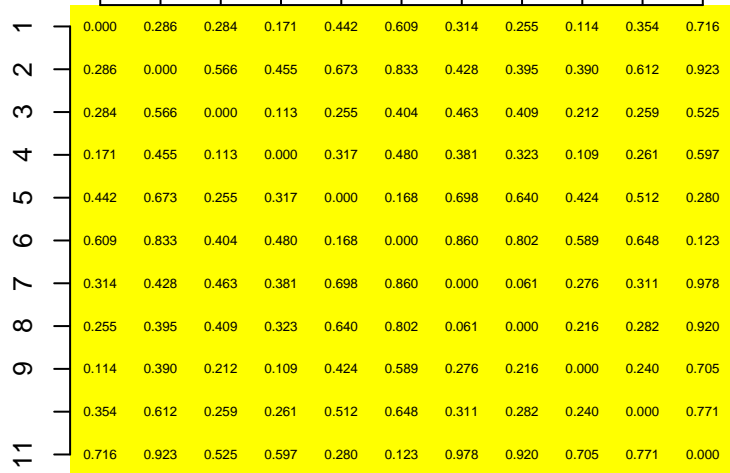
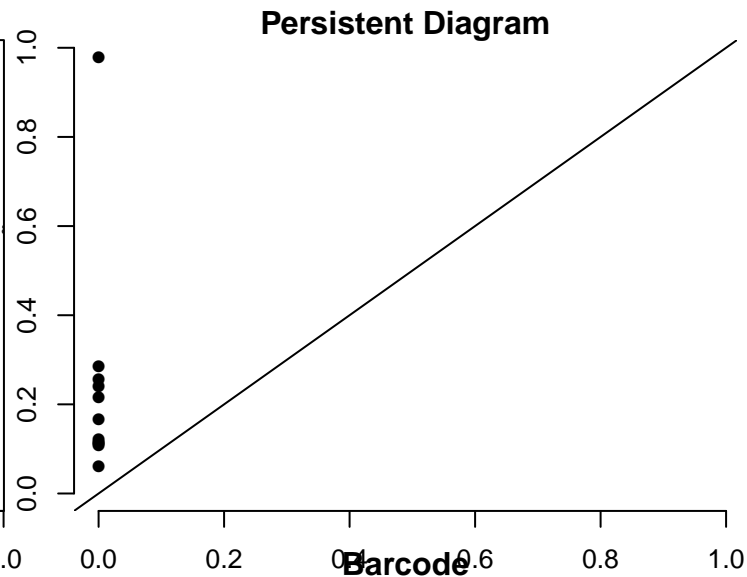
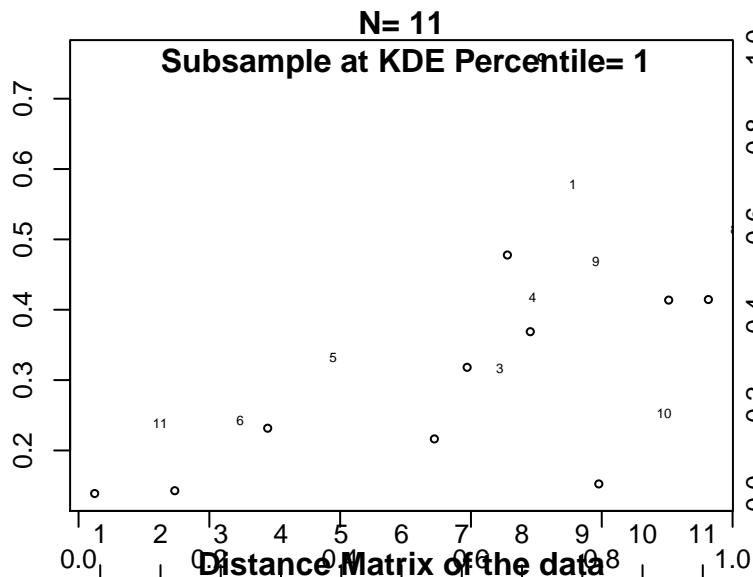
Persistent Diagram



1	0.000	0.286	0.284	0.171	0.442	0.609	0.314	0.255	0.114	0.354	0.716
2	0.286	0.000	0.566	0.455	0.673	0.833	0.428	0.395	0.390	0.612	0.923
3	0.284	0.566	0.000	0.113	0.255	0.404	0.463	0.409	0.212	0.259	0.525
4	0.171	0.455	0.113	0.000	0.317	0.480	0.381	0.323	0.109	0.261	0.597
5	0.442	0.673	0.255	0.317	0.000	0.168	0.698	0.640	0.424	0.512	0.280
6	0.609	0.833	0.404	0.480	0.168	0.000	0.860	0.802	0.589	0.648	0.123
7	0.314	0.428	0.463	0.381	0.698	0.860	0.000	0.061	0.276	0.311	0.978
8	0.255	0.395	0.409	0.323	0.640	0.802	0.061	0.000	0.216	0.282	0.920
9	0.114	0.390	0.212	0.109	0.424	0.589	0.276	0.216	0.000	0.240	0.705
10	0.354	0.612	0.259	0.261	0.512	0.648	0.311	0.282	0.240	0.000	0.771
11	0.716	0.923	0.525	0.597	0.280	0.123	0.978	0.920	0.705	0.771	0.000

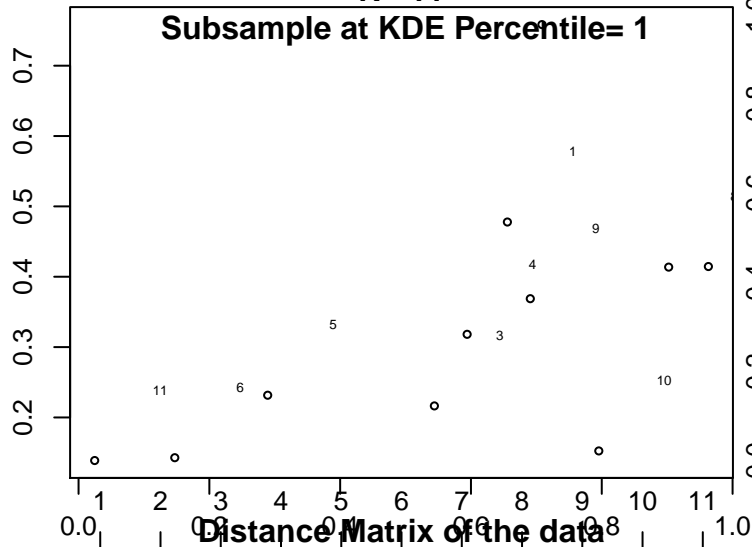


This is the 'Frame' at Euclidean distance = 0

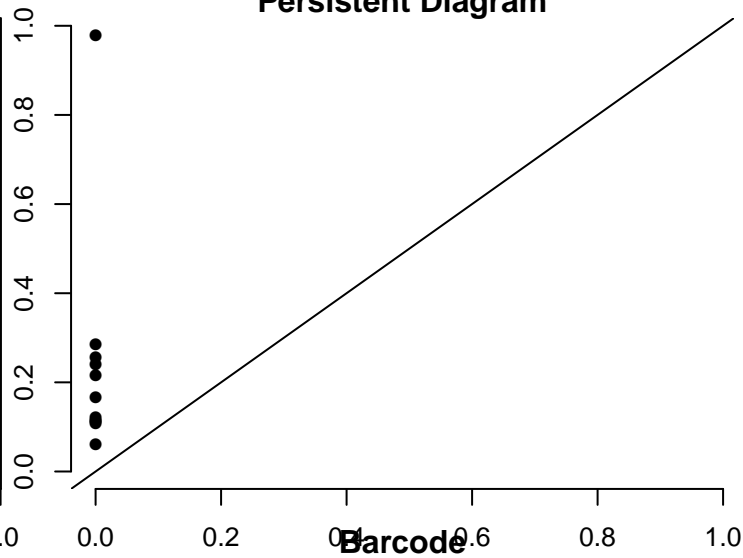


This is the 'Frame' at Euclidean distance = 0.0607

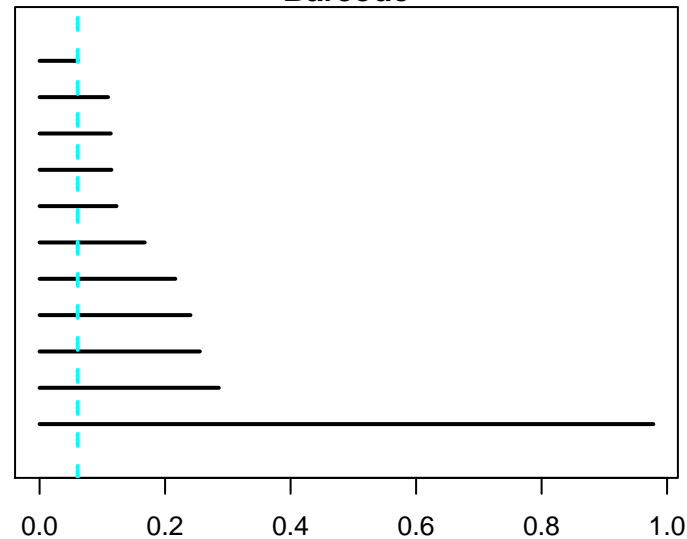
N= 11



Persistent Diagram



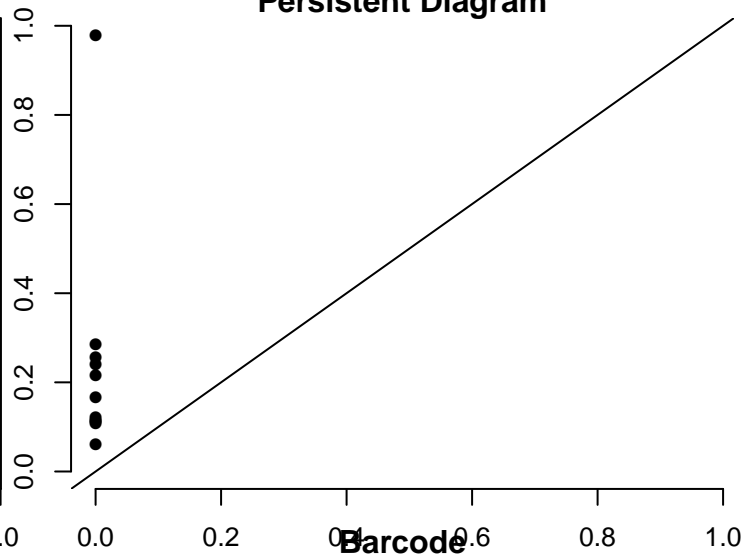
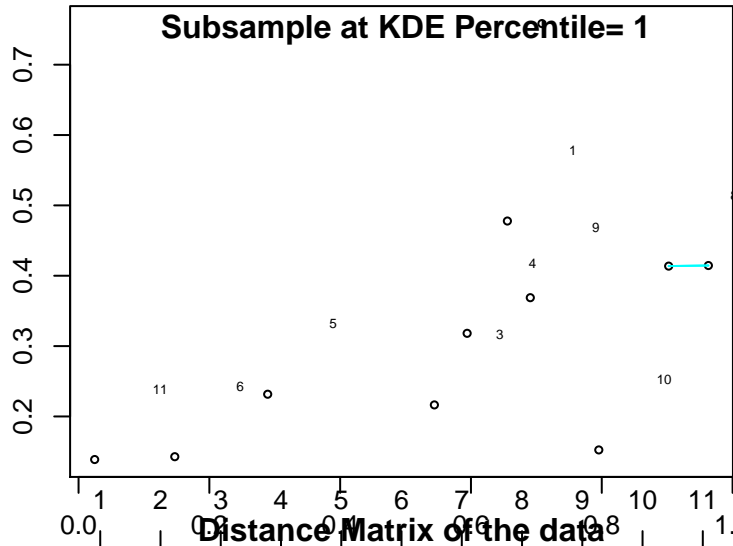
1	0.000	0.286	0.284	0.171	0.442	0.609	0.314	0.255	0.114	0.354	0.716
2	0.286	0.000	0.566	0.455	0.673	0.833	0.428	0.395	0.390	0.612	0.923
3	0.284	0.566	0.000	0.113	0.255	0.404	0.463	0.409	0.212	0.259	0.525
4	0.171	0.455	0.113	0.000	0.317	0.480	0.381	0.323	0.109	0.261	0.597
5	0.442	0.673	0.255	0.317	0.000	0.168	0.698	0.640	0.424	0.512	0.280
6	0.609	0.833	0.404	0.480	0.168	0.000	0.860	0.802	0.589	0.648	0.123
7	0.314	0.428	0.463	0.381	0.698	0.860	0.000	0.061	0.276	0.311	0.978
8	0.255	0.395	0.409	0.323	0.640	0.802	0.061	0.000	0.216	0.282	0.920
9	0.114	0.390	0.212	0.109	0.424	0.589	0.276	0.216	0.000	0.240	0.705
10	0.354	0.612	0.259	0.261	0.512	0.648	0.311	0.282	0.240	0.000	0.771
11	0.716	0.923	0.525	0.597	0.280	0.123	0.978	0.920	0.705	0.771	0.000



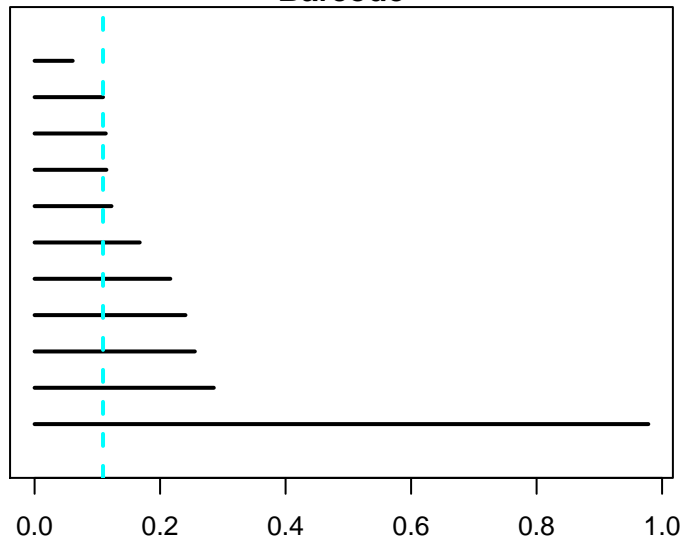
This is the 'Frame' at Euclidean distance = 0.109

N= 11

Persistent Diagram



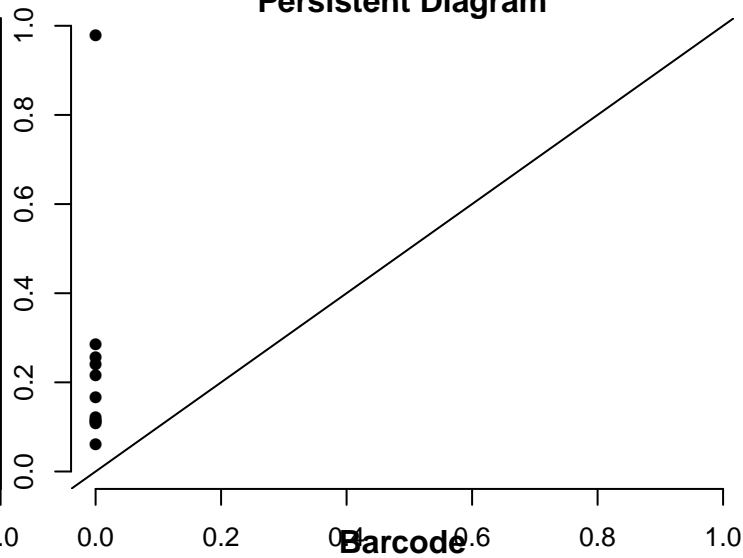
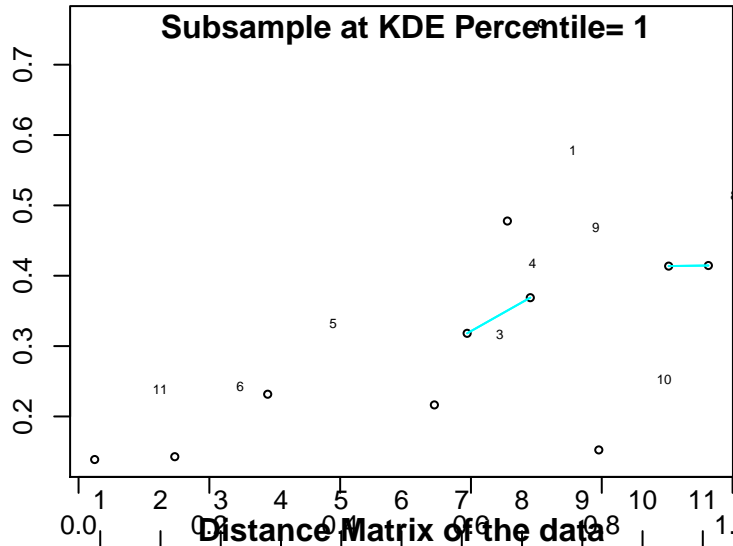
1	0.000	0.286	0.284	0.171	0.442	0.609	0.314	0.255	0.114	0.354	0.716
2	0.286	0.000	0.566	0.455	0.673	0.833	0.428	0.395	0.390	0.612	0.923
3	0.284	0.566	0.000	0.113	0.255	0.404	0.463	0.409	0.212	0.259	0.525
4	0.171	0.455	0.113	0.000	0.317	0.480	0.381	0.323	0.109	0.261	0.597
5	0.442	0.673	0.255	0.317	0.000	0.168	0.698	0.640	0.424	0.512	0.280
6	0.609	0.833	0.404	0.480	0.168	0.000	0.860	0.802	0.589	0.648	0.123
7	0.314	0.428	0.463	0.381	0.698	0.860	0.000	0.061	0.276	0.311	0.978
8	0.255	0.395	0.409	0.323	0.640	0.802	0.061	0.000	0.216	0.282	0.920
9	0.114	0.390	0.212	0.109	0.424	0.589	0.276	0.216	0.000	0.240	0.705
10	0.354	0.612	0.259	0.261	0.512	0.648	0.311	0.282	0.240	0.000	0.771
11	0.716	0.923	0.525	0.597	0.280	0.123	0.978	0.920	0.705	0.771	0.000



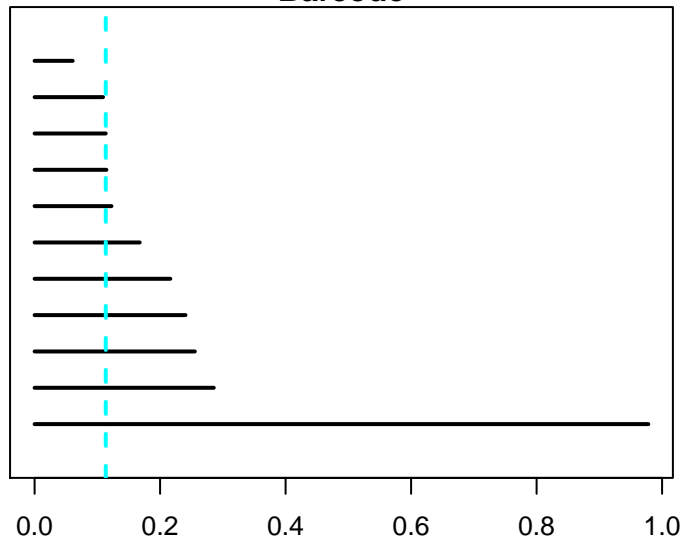
This is the 'Frame' at Euclidean distance = 0.113

N= 11

Persistent Diagram



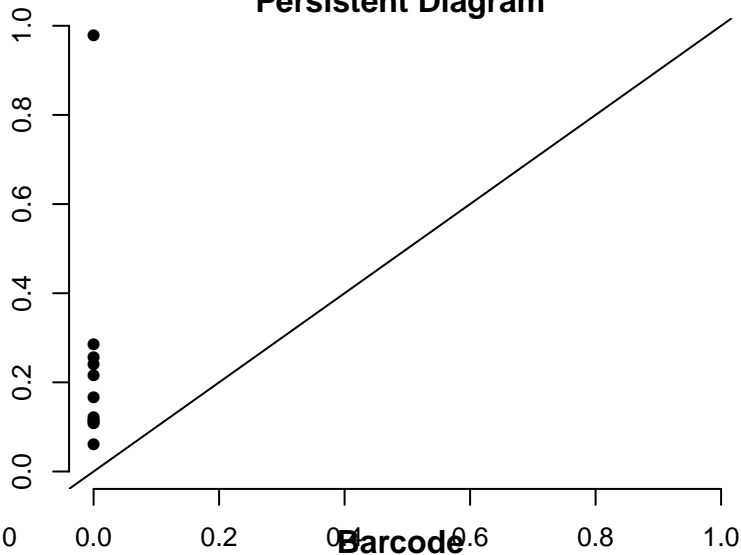
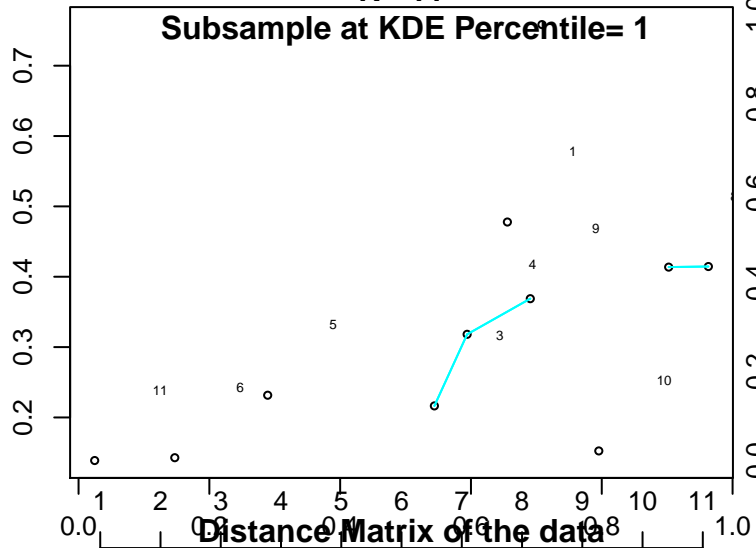
1	0.000	0.286	0.284	0.171	0.442	0.609	0.314	0.255	0.114	0.354	0.716
2	0.286	0.000	0.566	0.455	0.673	0.833	0.428	0.395	0.390	0.612	0.923
3	0.284	0.566	0.000	0.113	0.255	0.404	0.463	0.409	0.212	0.259	0.525
4	0.171	0.455	0.113	0.000	0.317	0.480	0.381	0.323	0.109	0.261	0.597
5	0.442	0.673	0.255	0.317	0.000	0.168	0.698	0.640	0.424	0.512	0.280
6	0.609	0.833	0.404	0.480	0.168	0.000	0.860	0.802	0.589	0.648	0.123
7	0.314	0.428	0.463	0.381	0.698	0.860	0.000	0.061	0.276	0.311	0.978
8	0.255	0.395	0.409	0.323	0.640	0.802	0.061	0.000	0.216	0.282	0.920
9	0.114	0.390	0.212	0.109	0.424	0.589	0.276	0.216	0.000	0.240	0.705
10	0.354	0.612	0.259	0.261	0.512	0.648	0.311	0.282	0.240	0.000	0.771
11	0.716	0.923	0.525	0.597	0.280	0.123	0.978	0.920	0.705	0.771	0.000



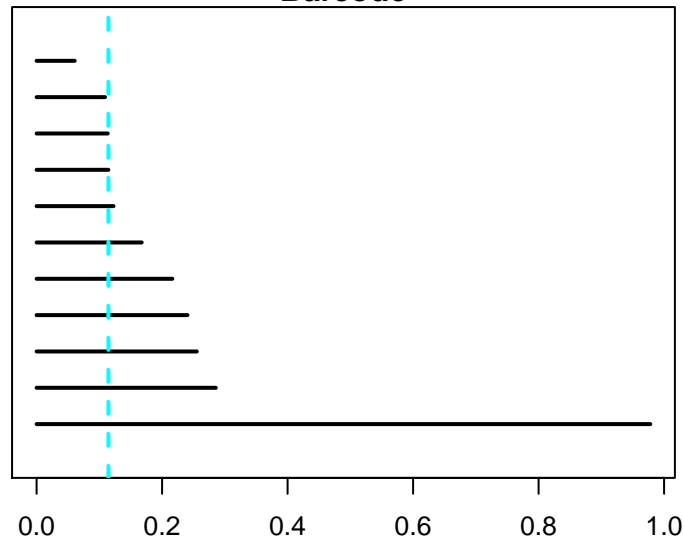
This is the 'Frame' at Euclidean distance = 0.114

N= 11

Persistent Diagram



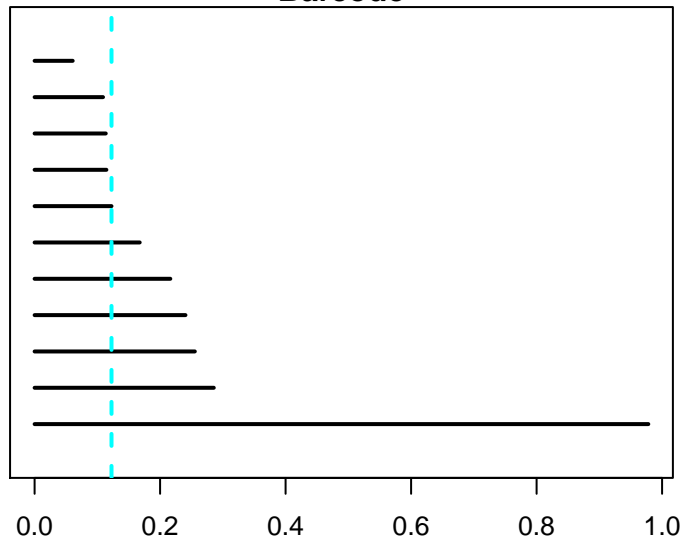
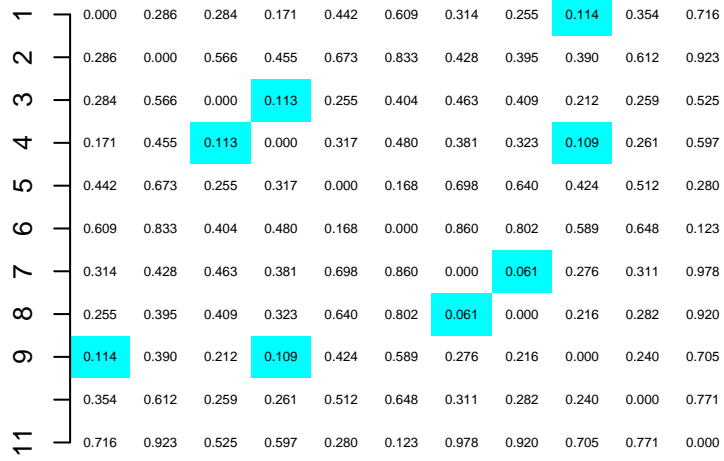
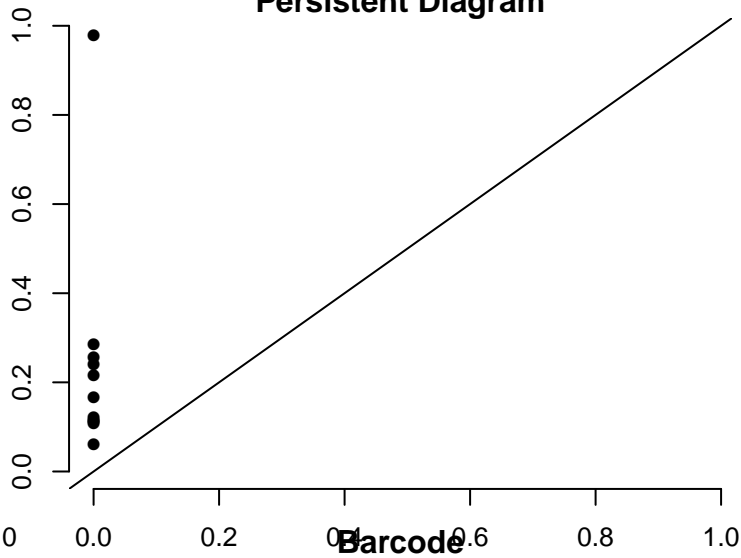
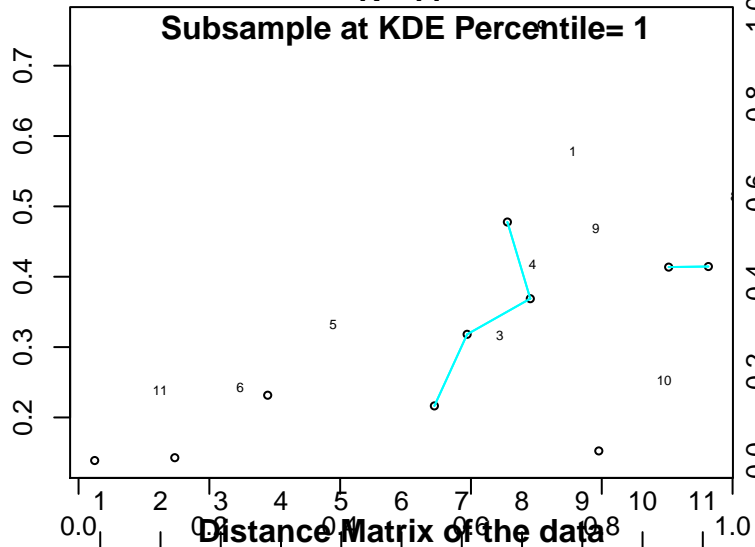
1	0.000	0.286	0.284	0.171	0.442	0.609	0.314	0.255	0.114	0.354	0.716
2	0.286	0.000	0.566	0.455	0.673	0.833	0.428	0.395	0.390	0.612	0.923
3	0.284	0.566	0.000	0.113	0.255	0.404	0.463	0.409	0.212	0.259	0.525
4	0.171	0.455	0.113	0.000	0.317	0.480	0.381	0.323	0.109	0.261	0.597
5	0.442	0.673	0.255	0.317	0.000	0.168	0.698	0.640	0.424	0.512	0.280
6	0.609	0.833	0.404	0.480	0.168	0.000	0.860	0.802	0.589	0.648	0.123
7	0.314	0.428	0.463	0.381	0.698	0.860	0.000	0.061	0.276	0.311	0.978
8	0.255	0.395	0.409	0.323	0.640	0.802	0.061	0.000	0.216	0.282	0.920
9	0.114	0.390	0.212	0.109	0.424	0.589	0.276	0.216	0.000	0.240	0.705
10	0.354	0.612	0.259	0.261	0.512	0.648	0.311	0.282	0.240	0.000	0.771
11	0.716	0.923	0.525	0.597	0.280	0.123	0.978	0.920	0.705	0.771	0.000



This is the 'Frame' at Euclidean distance = 0.123

N= 11

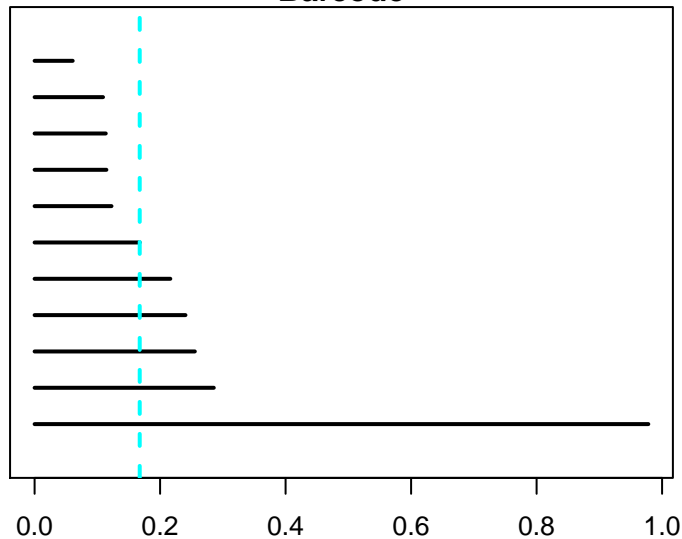
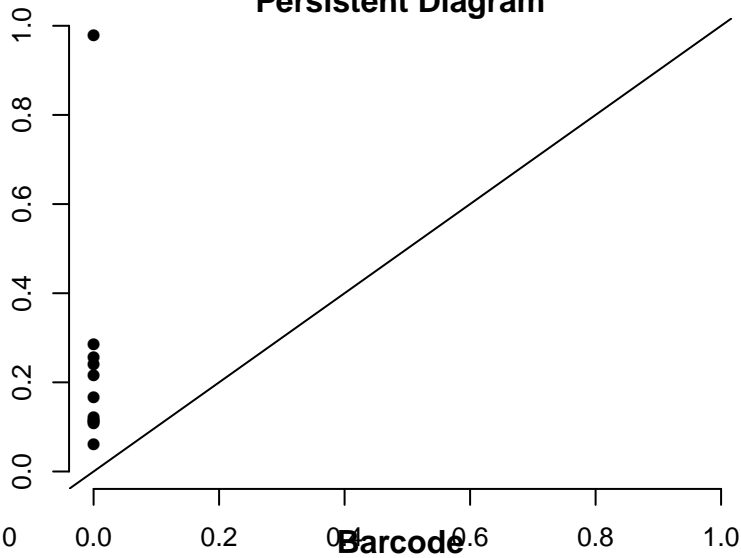
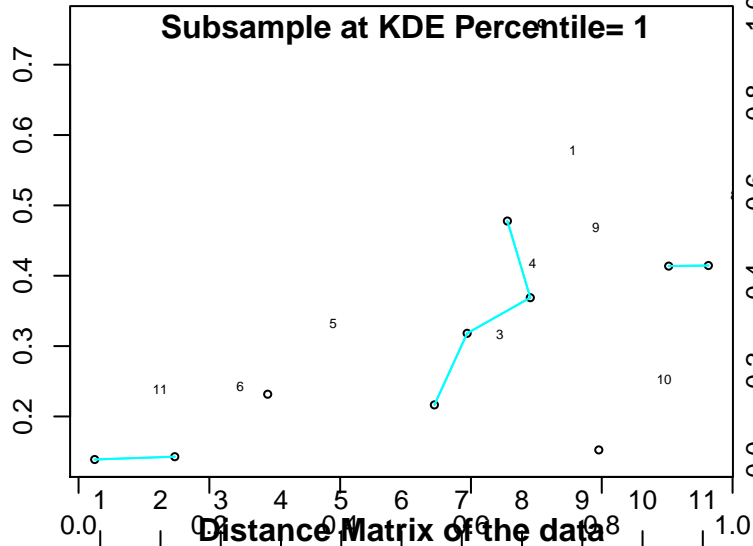
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.168

N= 11

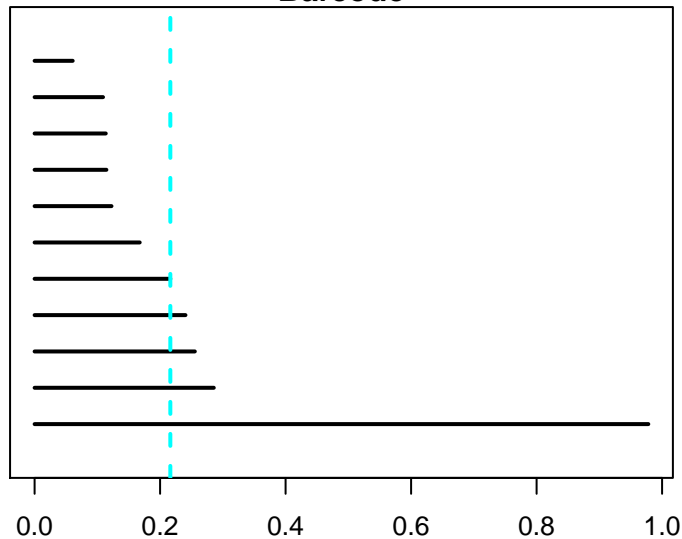
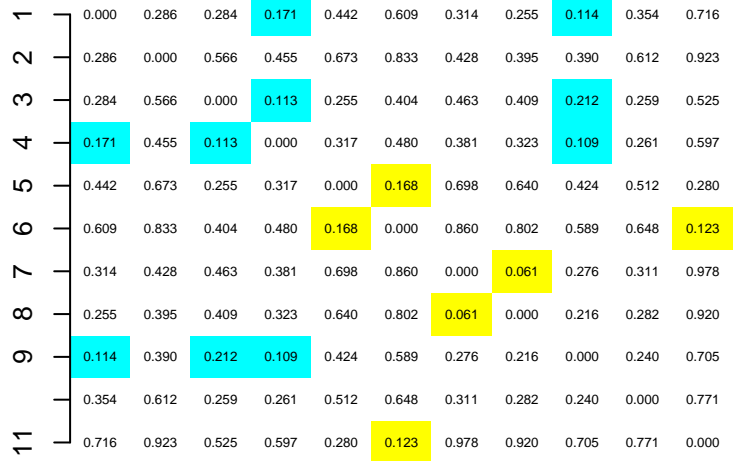
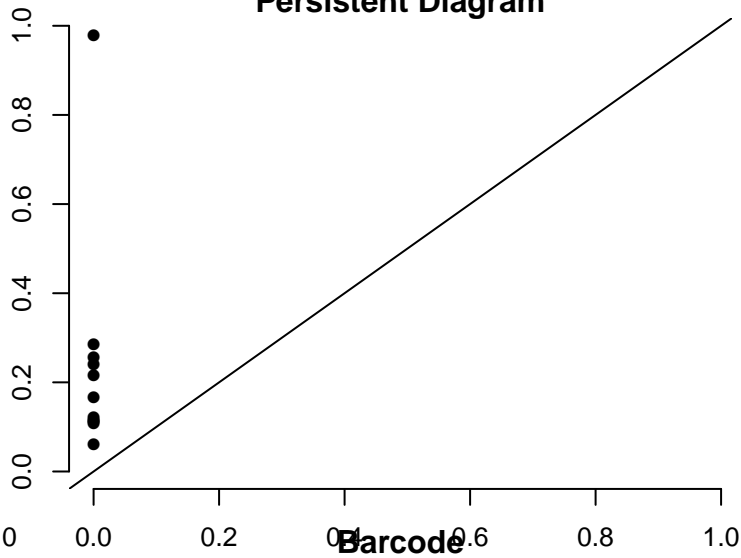
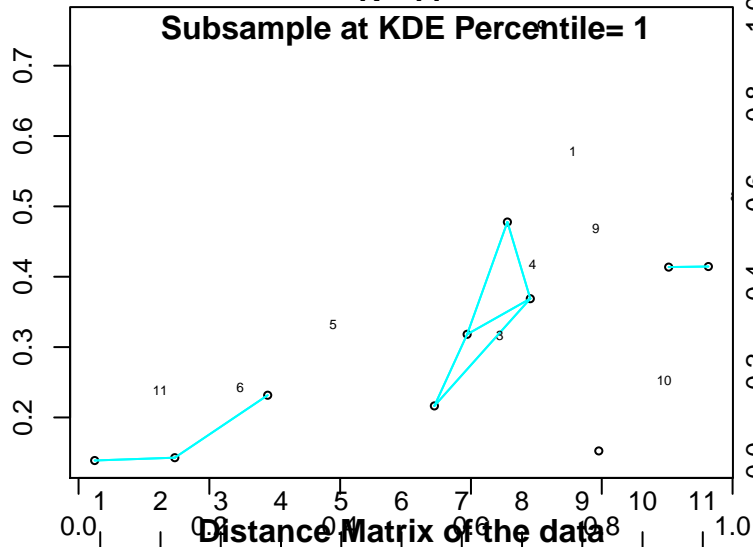
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.216

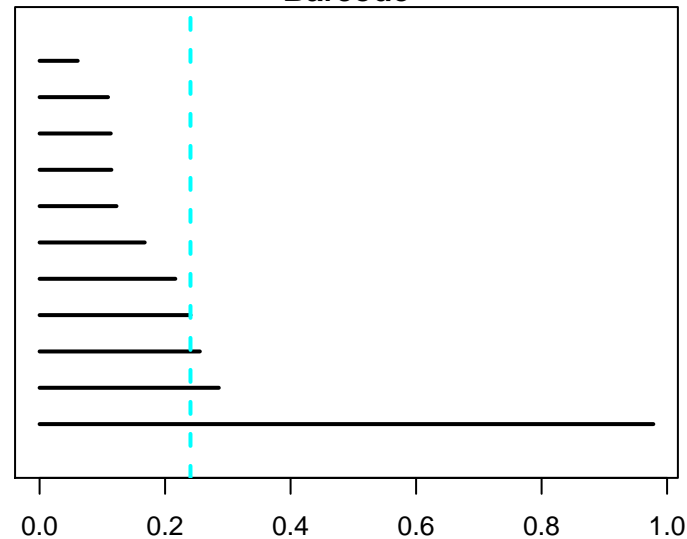
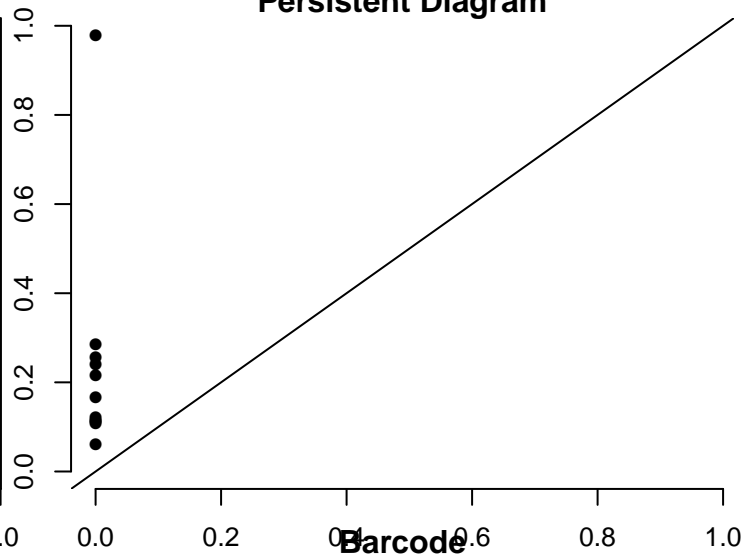
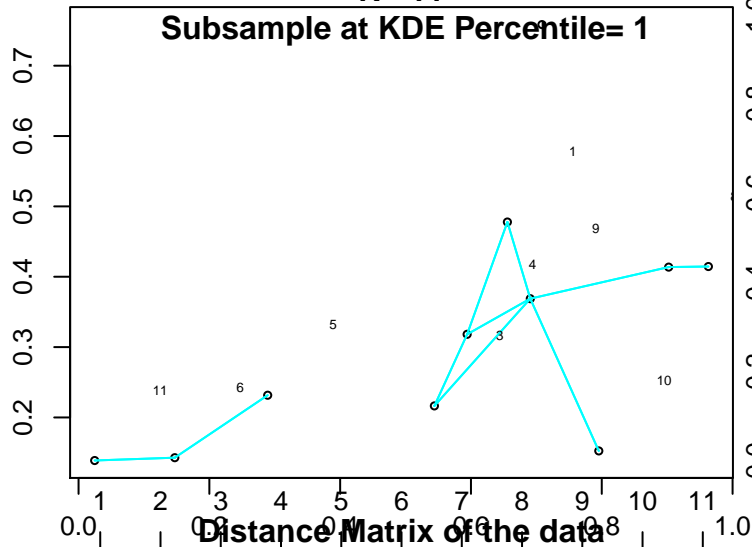
N= 11

Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.24

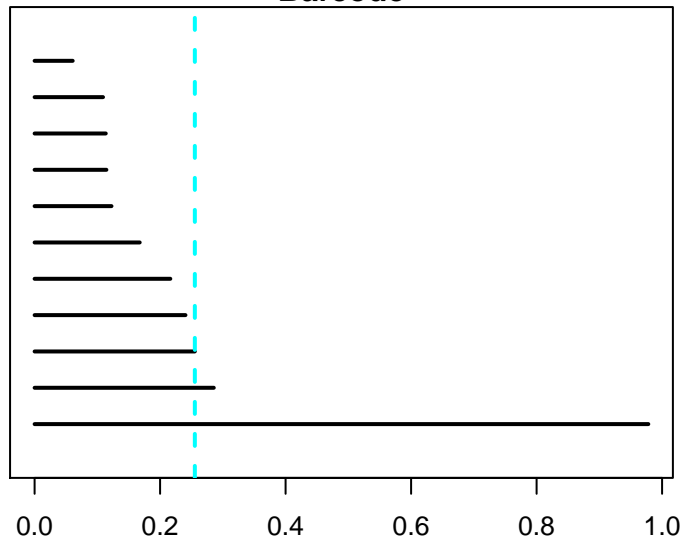
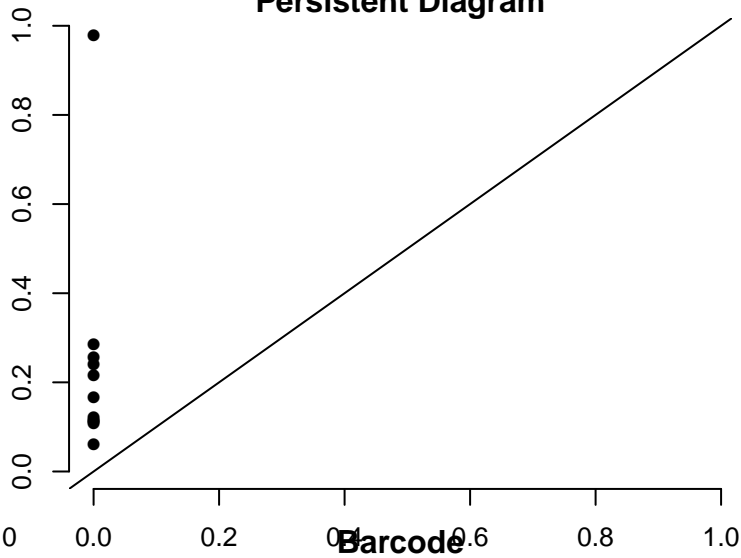
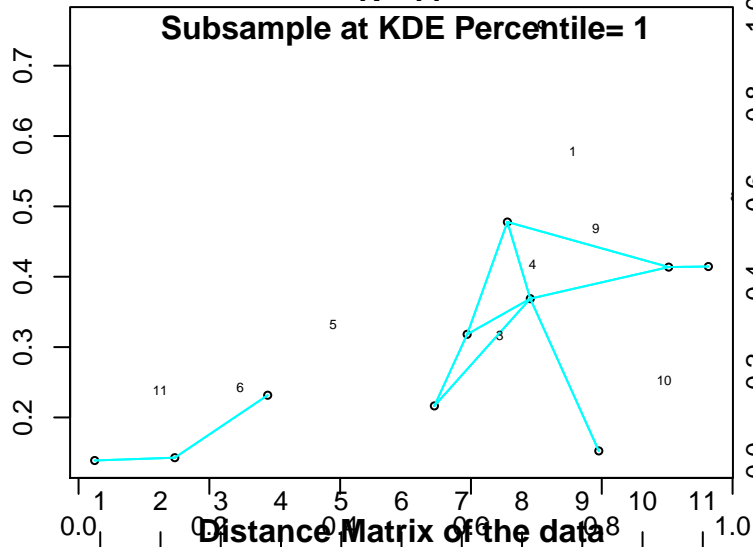
N= 11



This is the 'Frame' at Euclidean distance = 0.255

N= 11

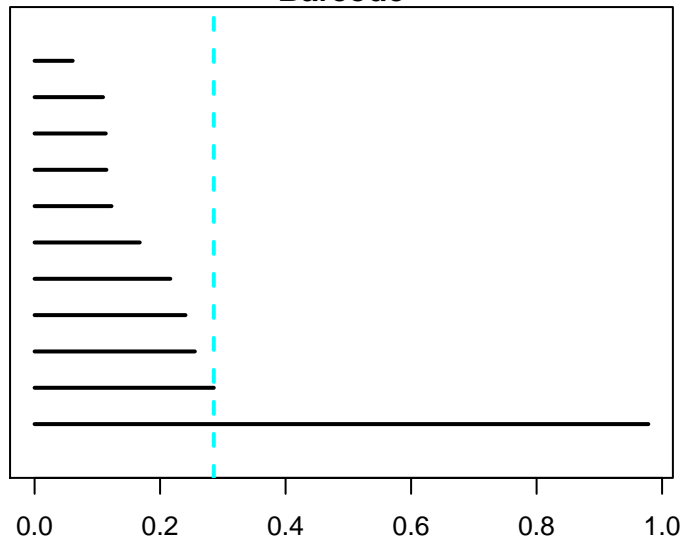
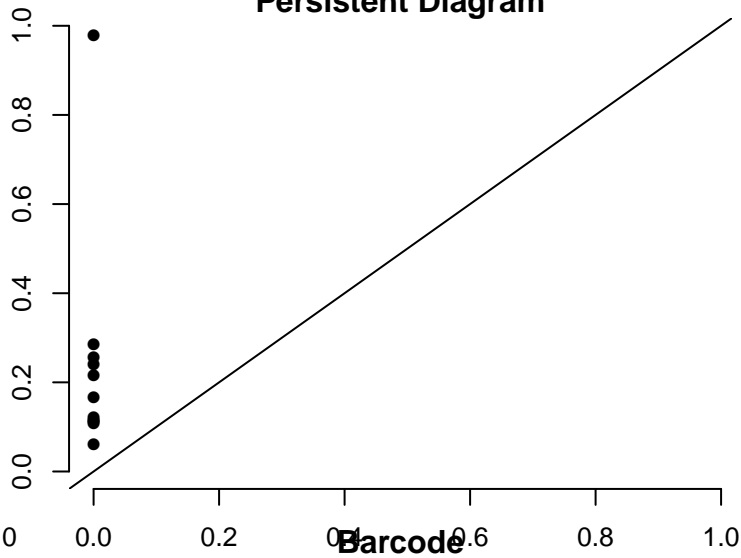
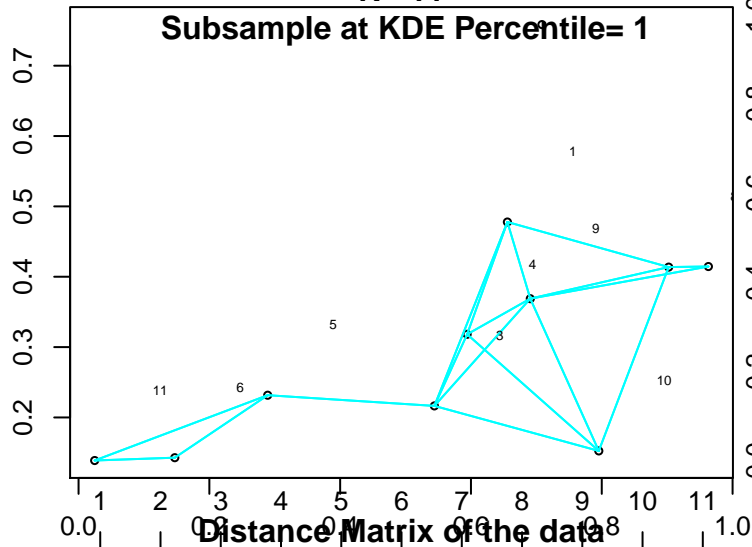
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.286

N= 11

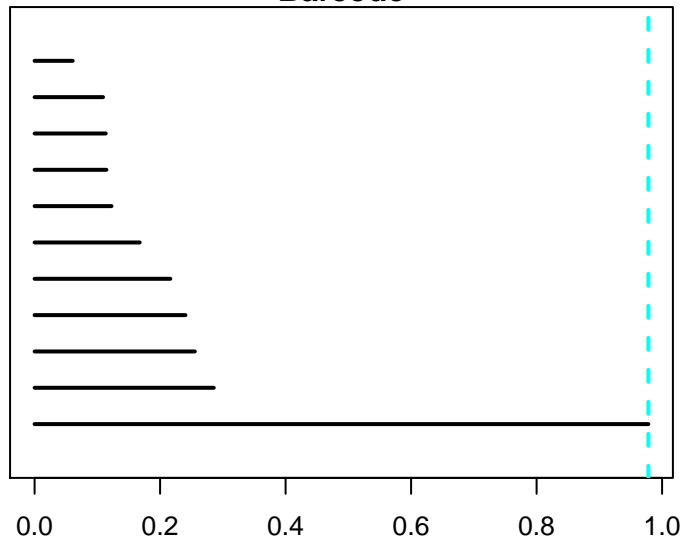
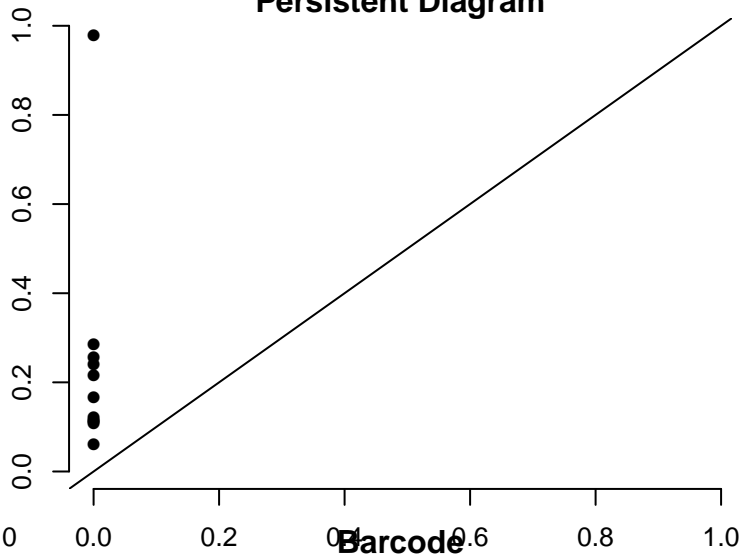
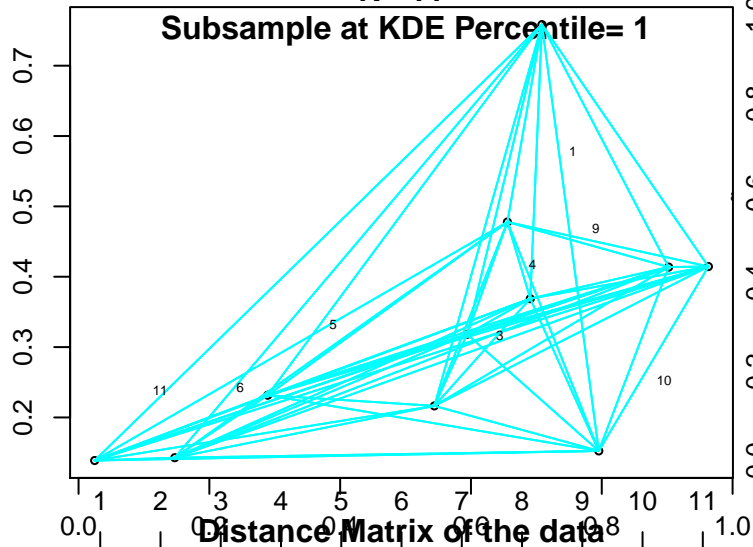
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.978

N= 11

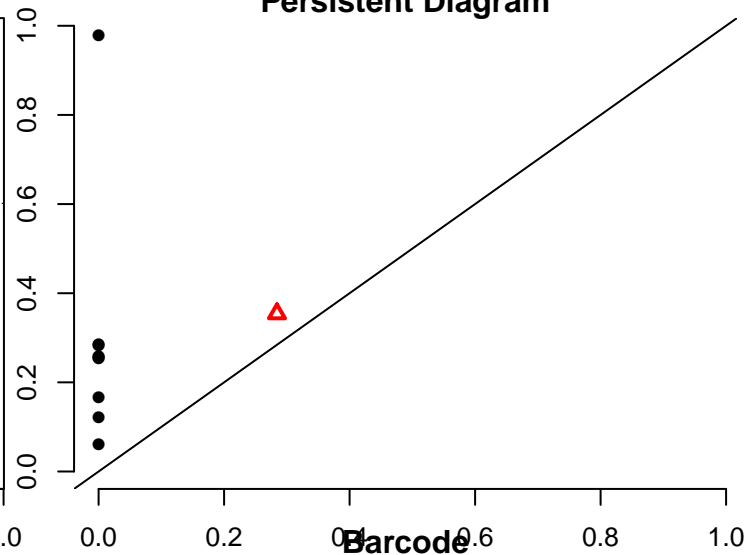
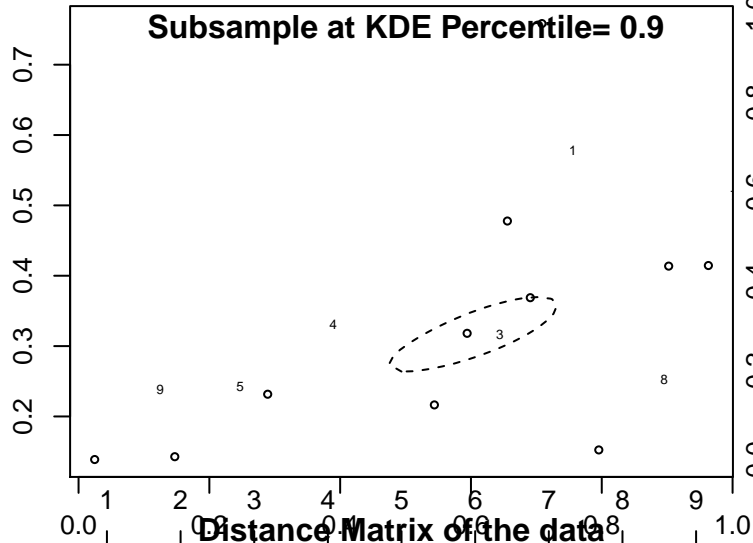
Persistent Diagram



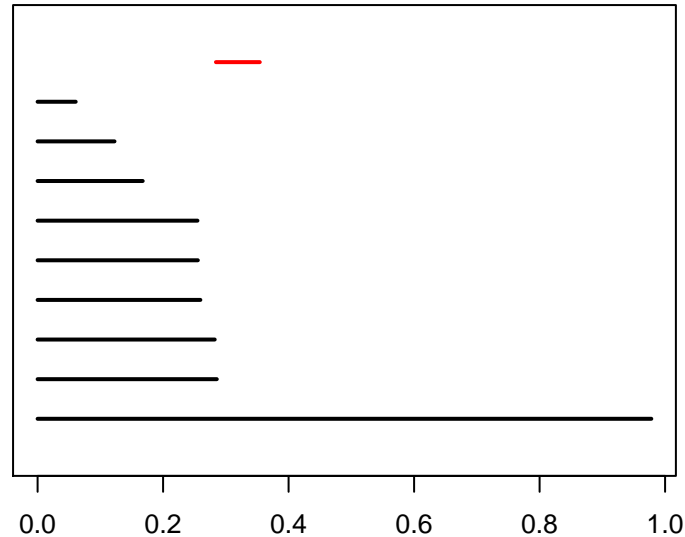
NONSTATIONARY Matern inhibition process, percentile .9

N= 11

Persistent Diagram



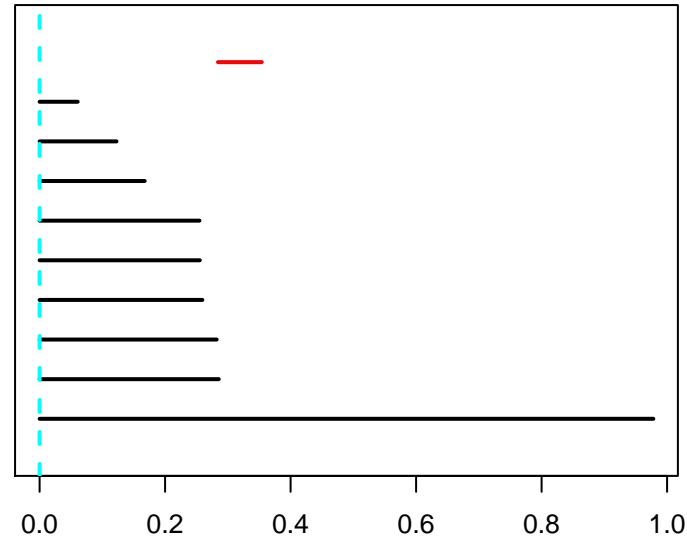
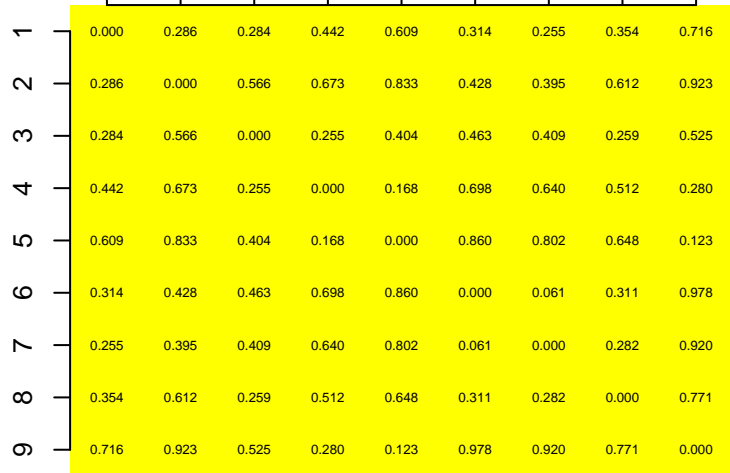
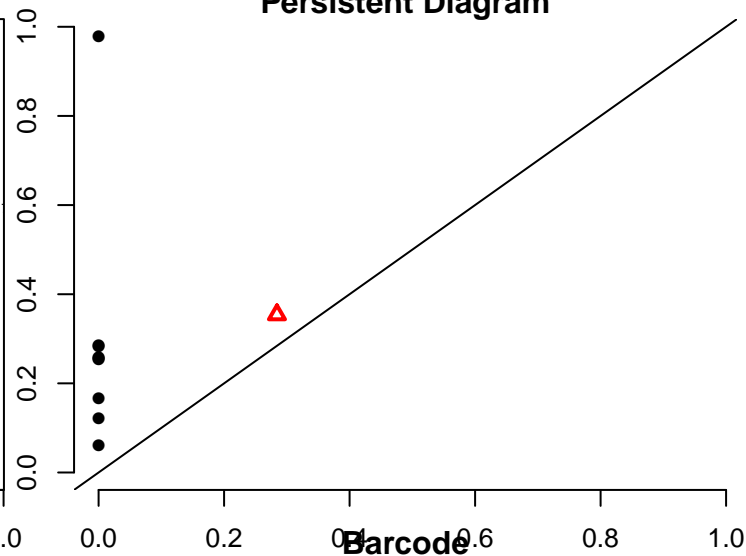
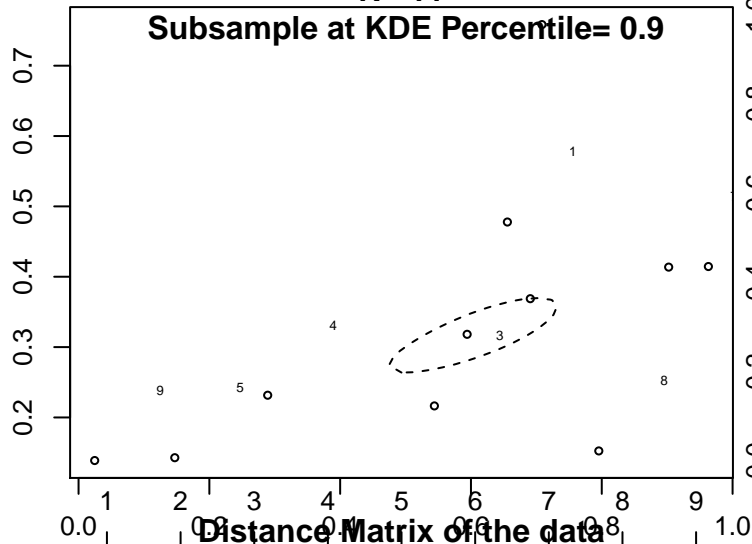
	1	2	3	4	5	6	7	8	9
1	0.000	0.286	0.284	0.442	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.673	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.255	0.404	0.463	0.409	0.259	0.525
4	0.442	0.673	0.255	0.000	0.168	0.698	0.640	0.512	0.280
5	0.609	0.833	0.404	0.168	0.000	0.860	0.802	0.648	0.123
6	0.314	0.428	0.463	0.698	0.860	0.000	0.061	0.311	0.978
7	0.255	0.395	0.409	0.640	0.802	0.061	0.000	0.282	0.920
8	0.354	0.612	0.259	0.512	0.648	0.311	0.282	0.000	0.771
9	0.716	0.923	0.525	0.280	0.123	0.978	0.920	0.771	0.000



This is the 'Frame' at Euclidean distance = 0

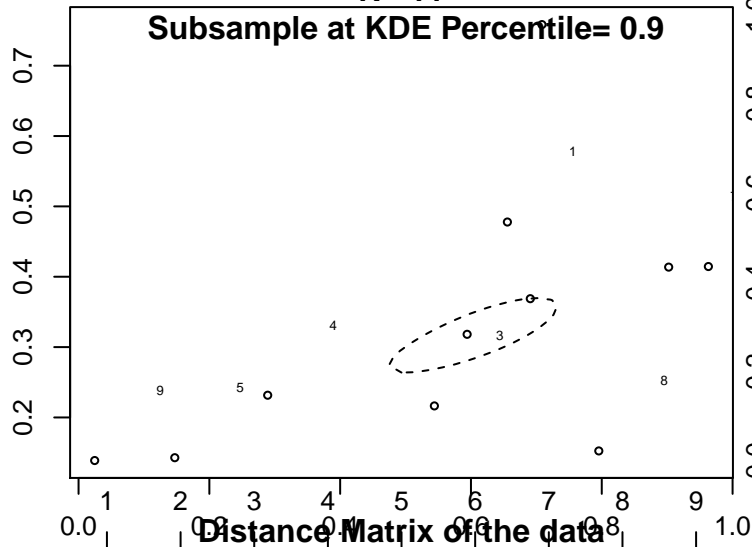
N= 11

Persistent Diagram

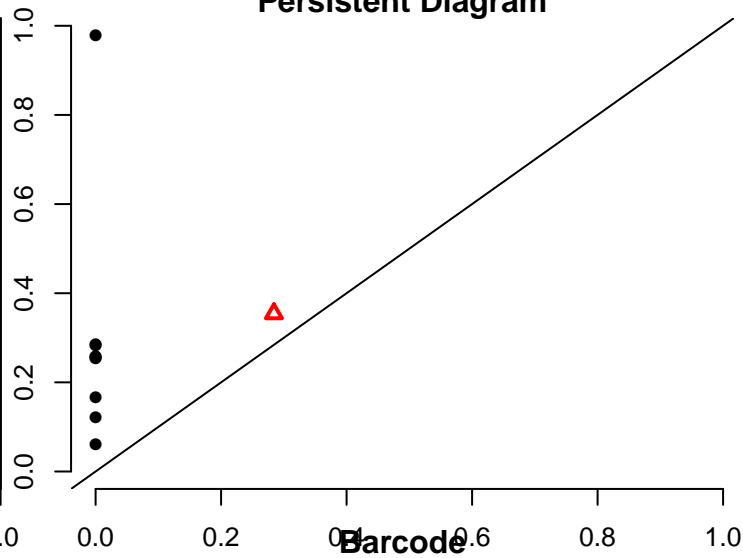


This is the 'Frame' at Euclidean distance = 0.0607

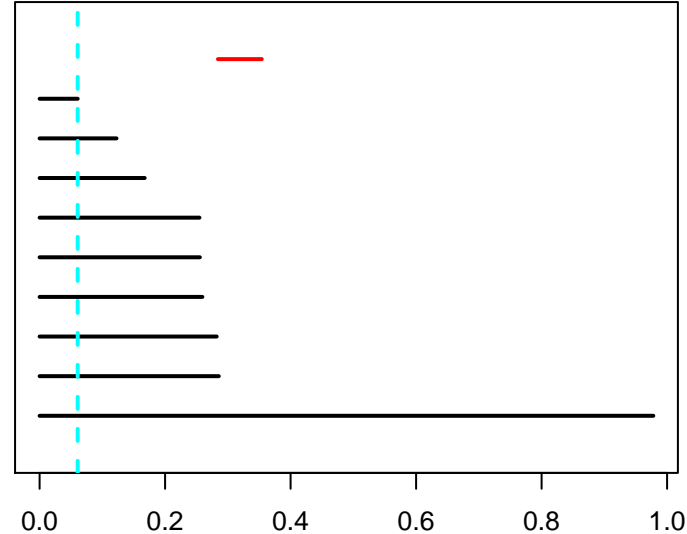
N= 11



Persistent Diagram



	0	1	2	3	4	5	6	7	8	9
0	0.000	0.286	0.284	0.442	0.609	0.314	0.255	0.354	0.716	
1	0.286	0.000	0.566	0.673	0.833	0.428	0.395	0.612	0.923	
2	0.284	0.566	0.000	0.255	0.404	0.463	0.409	0.259	0.525	
3	0.442	0.673	0.255	0.000	0.168	0.698	0.640	0.512	0.280	
4	0.609	0.833	0.404	0.168	0.000	0.860	0.802	0.648	0.123	
5	0.314	0.428	0.463	0.698	0.860	0.000	0.061	0.311	0.978	
6	0.255	0.395	0.409	0.640	0.802	0.061	0.000	0.282	0.920	
7	0.354	0.612	0.259	0.512	0.648	0.311	0.282	0.000	0.771	
8	0.716	0.923	0.525	0.280	0.123	0.978	0.920	0.771	0.000	
9										

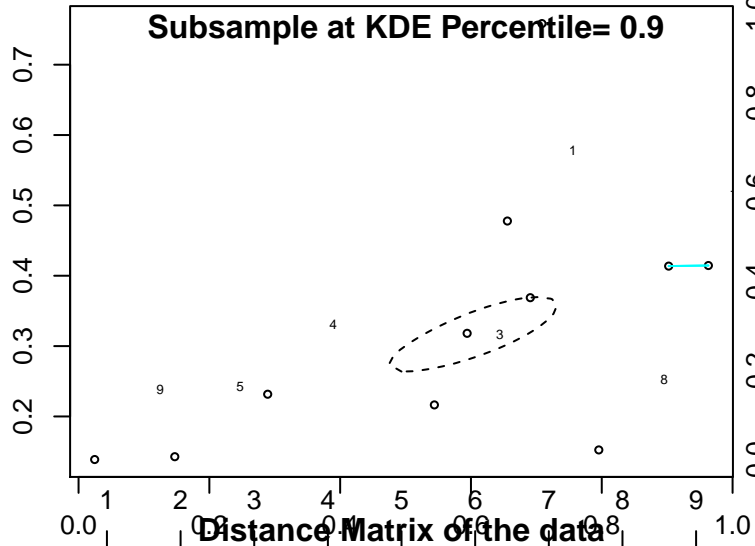


This is the 'Frame' at Euclidean distance = 0.123

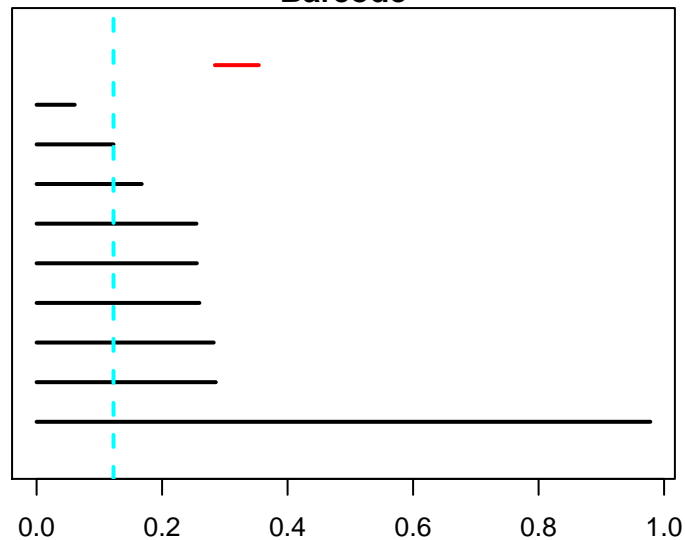
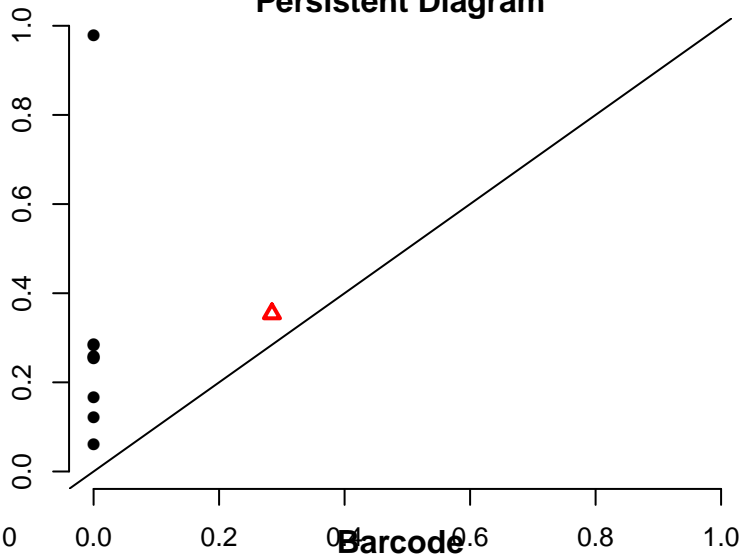
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.9



1	0.000	0.286	0.284	0.442	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.673	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.255	0.404	0.463	0.409	0.259	0.525
4	0.442	0.673	0.255	0.000	0.168	0.698	0.640	0.512	0.280
5	0.609	0.833	0.404	0.168	0.000	0.860	0.802	0.648	0.123
6	0.314	0.428	0.463	0.698	0.860	0.000	0.061	0.311	0.978
7	0.255	0.395	0.409	0.640	0.802	0.061	0.000	0.282	0.920
8	0.354	0.612	0.259	0.512	0.648	0.311	0.282	0.000	0.771
9	0.716	0.923	0.525	0.280	0.123	0.978	0.920	0.771	0.000

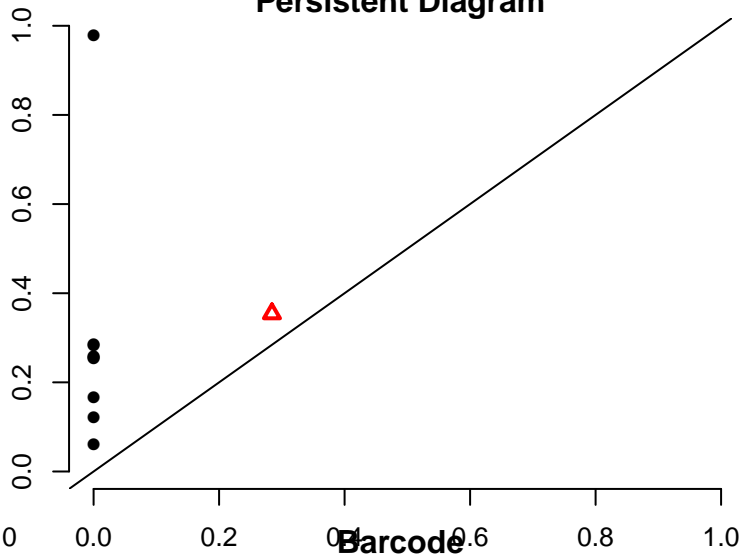
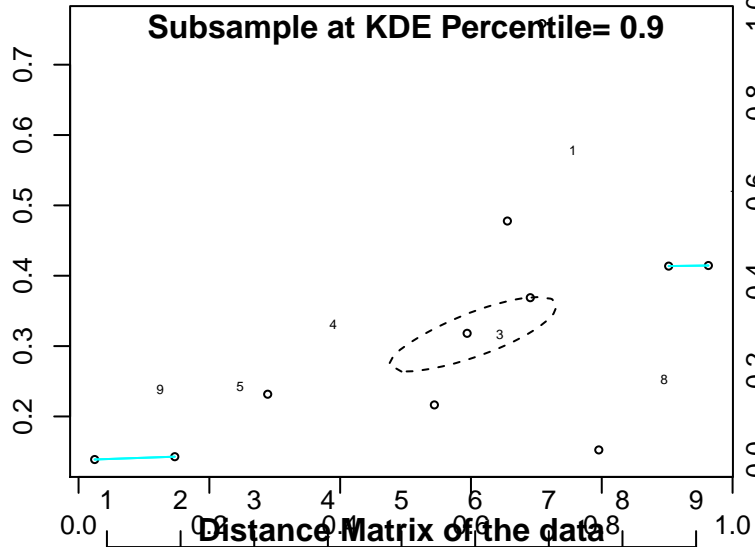


This is the 'Frame' at Euclidean distance = 0.168

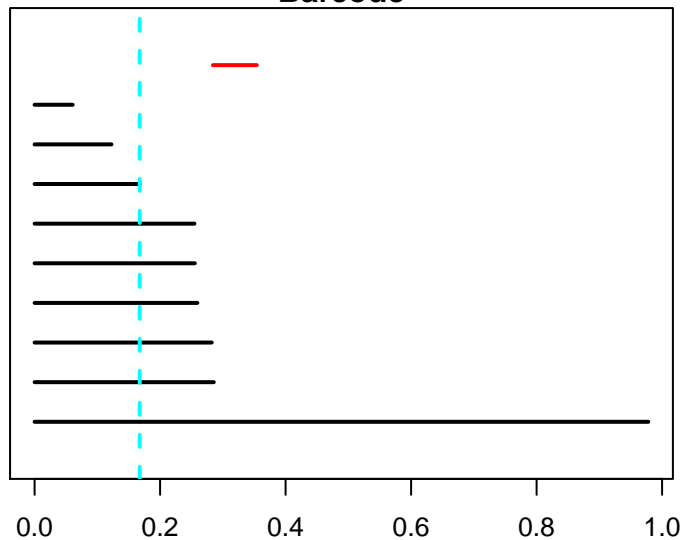
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.9



1	0.000	0.286	0.284	0.442	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.673	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.255	0.404	0.463	0.409	0.259	0.525
4	0.442	0.673	0.255	0.000	0.168	0.698	0.640	0.512	0.280
5	0.609	0.833	0.404	0.168	0.000	0.860	0.802	0.648	0.123
6	0.314	0.428	0.463	0.698	0.860	0.000	0.061	0.311	0.978
7	0.255	0.395	0.409	0.640	0.802	0.061	0.000	0.282	0.920
8	0.354	0.612	0.259	0.512	0.648	0.311	0.282	0.000	0.771
9	0.716	0.923	0.525	0.280	0.123	0.978	0.920	0.771	0.000

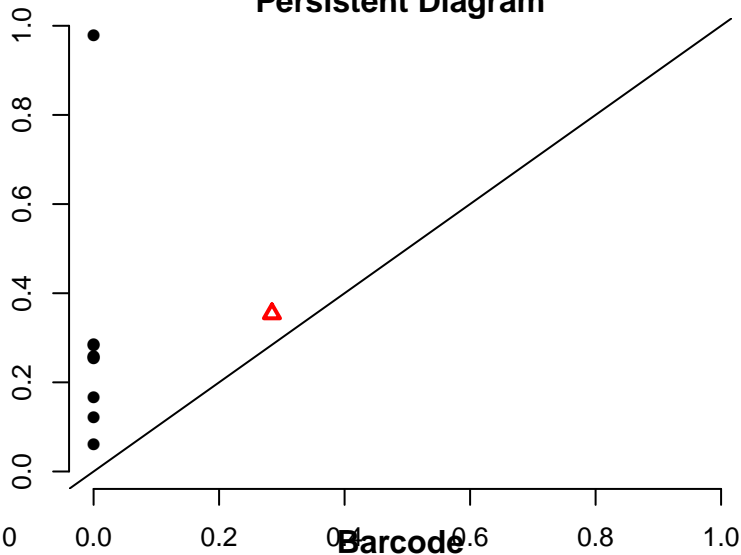
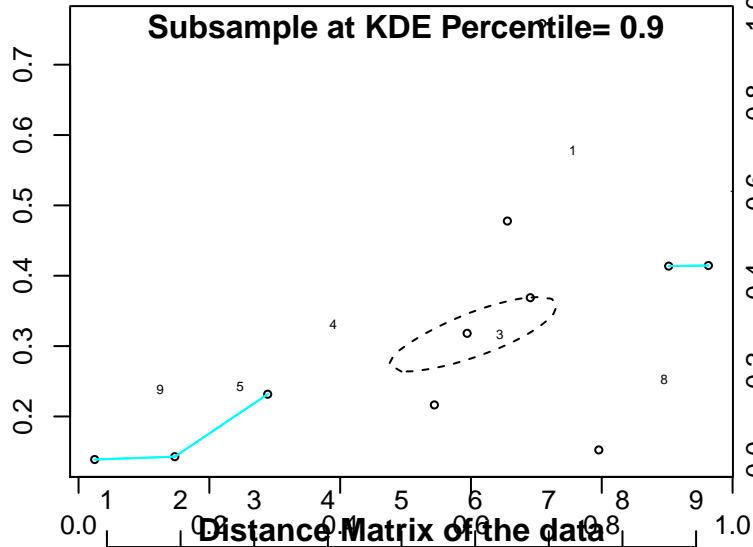


This is the 'Frame' at Euclidean distance = 0.255

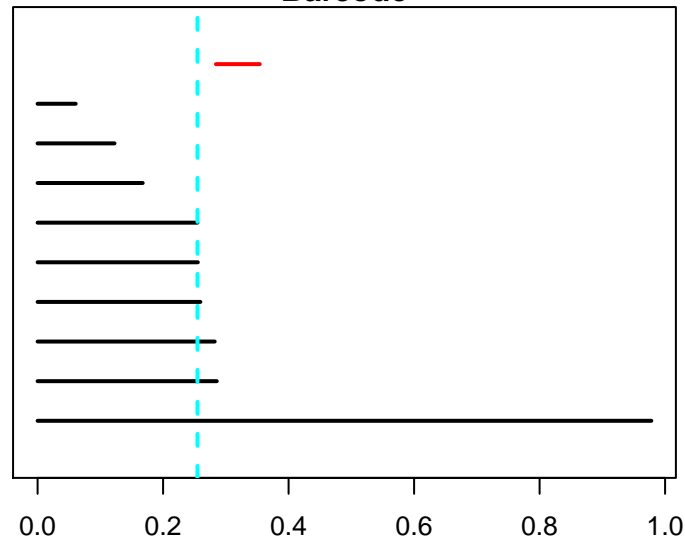
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.9



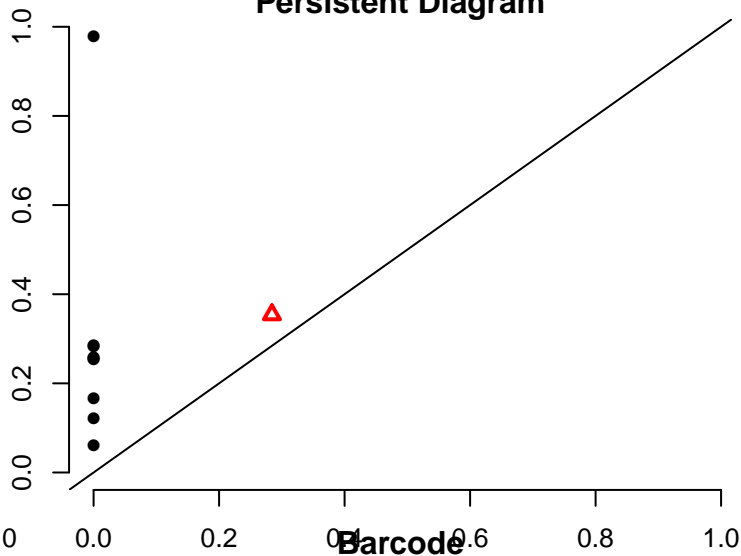
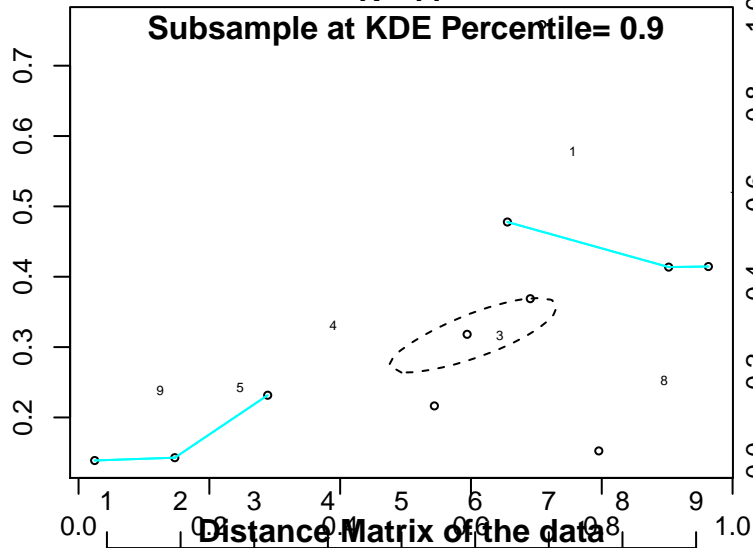
1	0.000	0.286	0.284	0.442	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.673	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.255	0.404	0.463	0.409	0.259	0.525
4	0.442	0.673	0.255	0.000	0.168	0.698	0.640	0.512	0.280
5	0.609	0.833	0.404	0.168	0.000	0.860	0.802	0.648	0.123
6	0.314	0.428	0.463	0.698	0.860	0.000	0.061	0.311	0.978
7	0.255	0.395	0.409	0.640	0.802	0.061	0.000	0.282	0.920
8	0.354	0.612	0.259	0.512	0.648	0.311	0.282	0.000	0.771
9	0.716	0.923	0.525	0.280	0.123	0.978	0.920	0.771	0.000



This is the 'Frame' at Euclidean distance = 0.255

N= 11

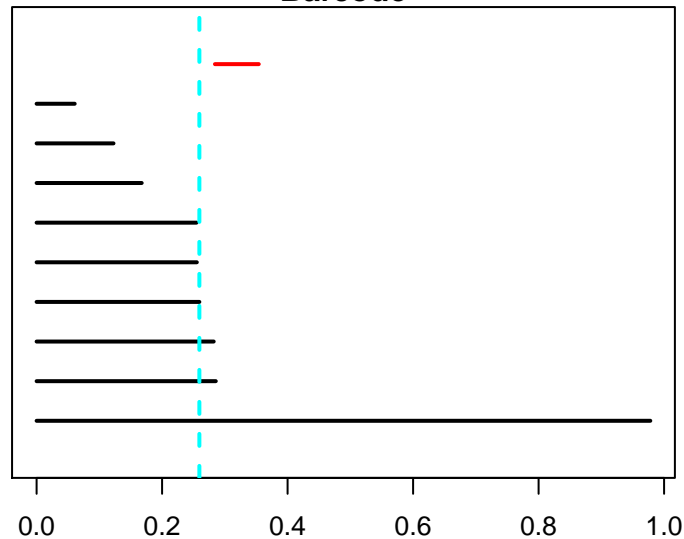
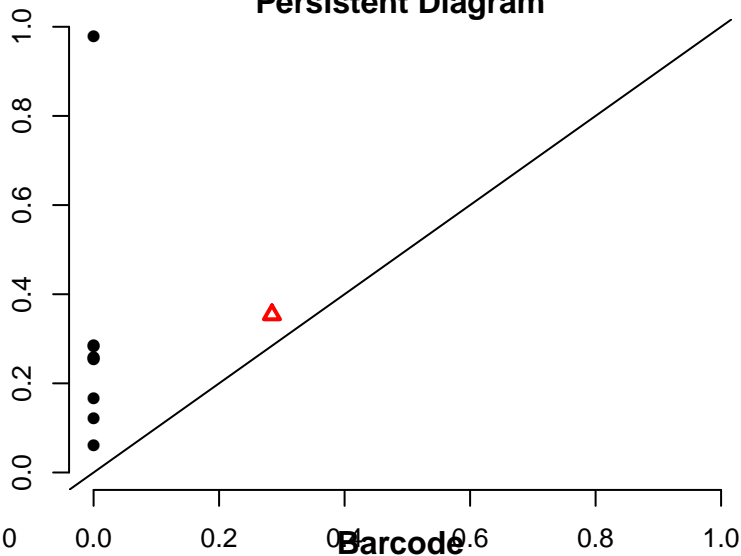
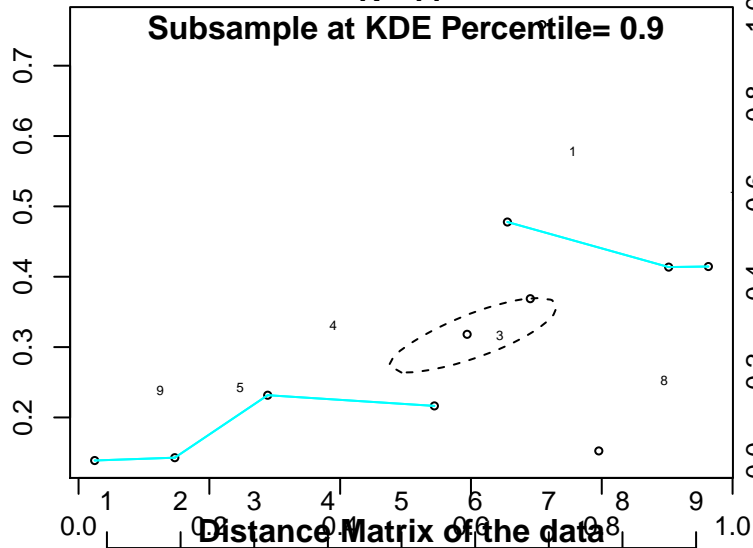
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.259

N= 11

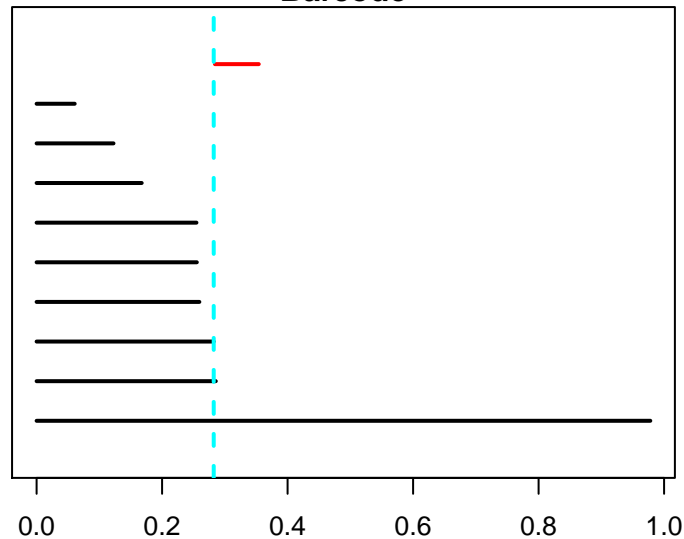
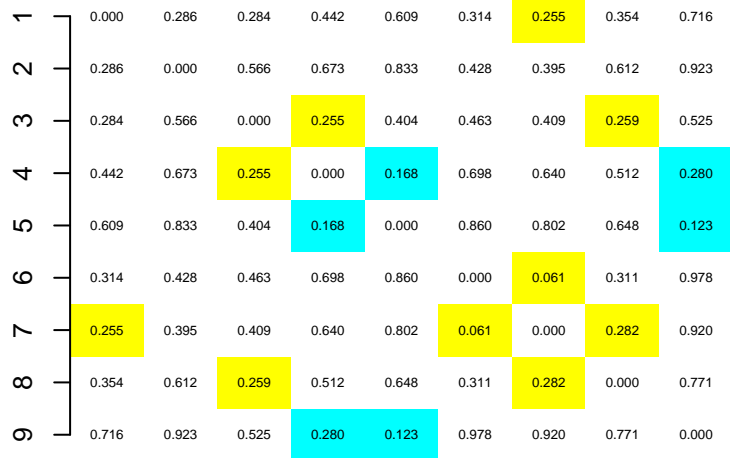
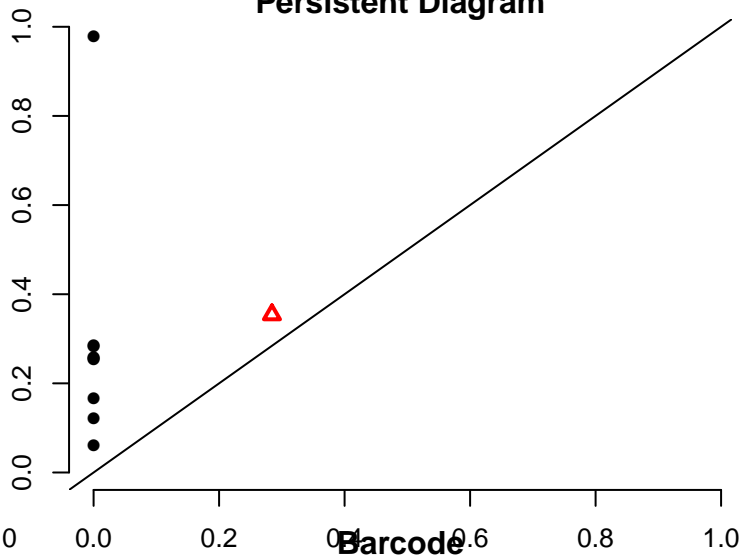
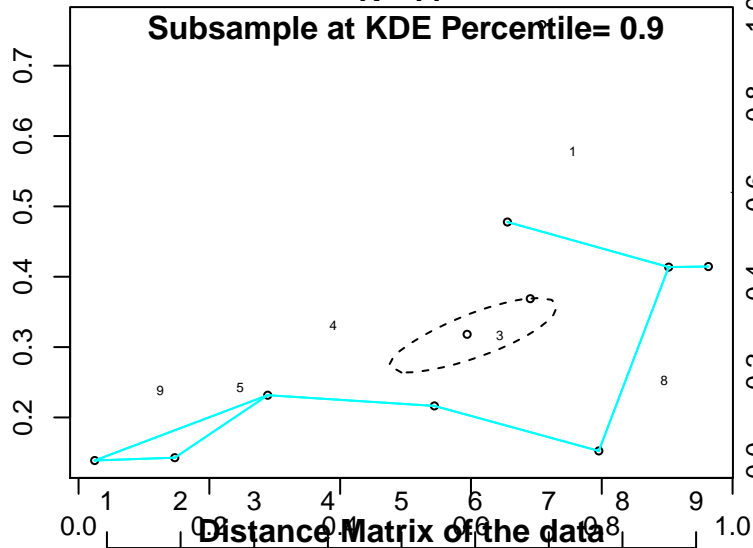
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.282

N= 11

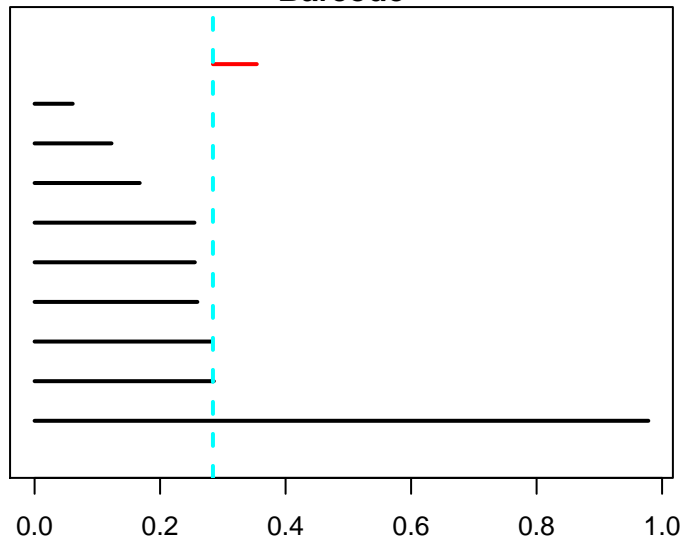
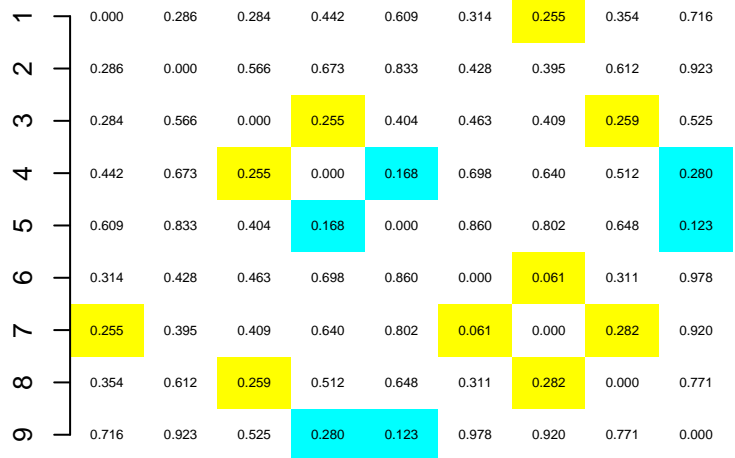
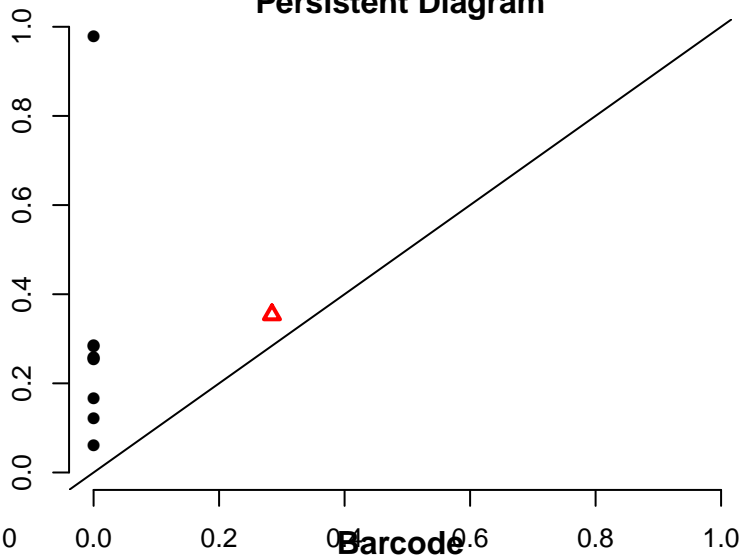
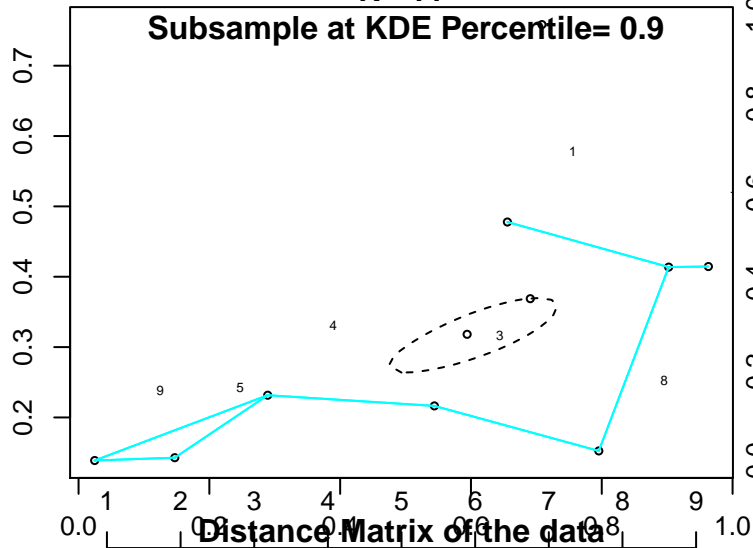
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.284

N= 11

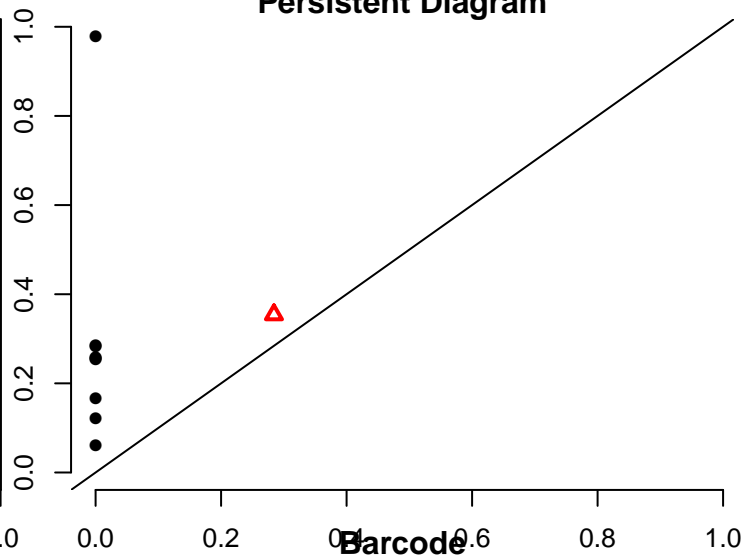
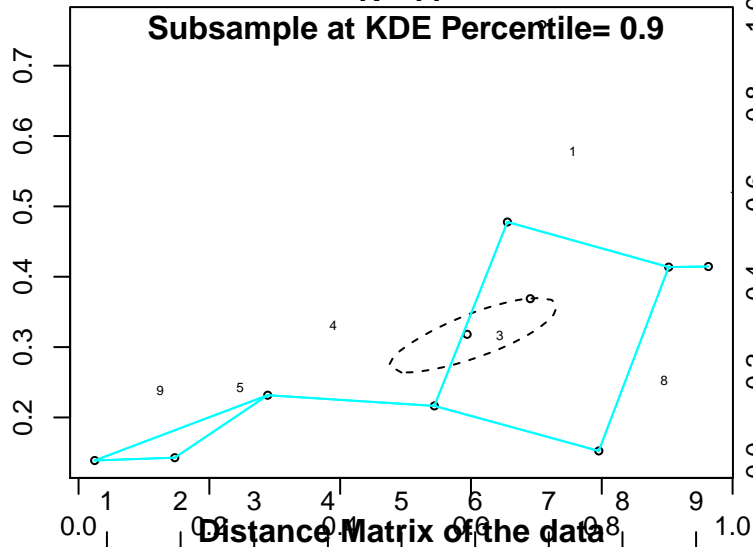
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.286

N= 11

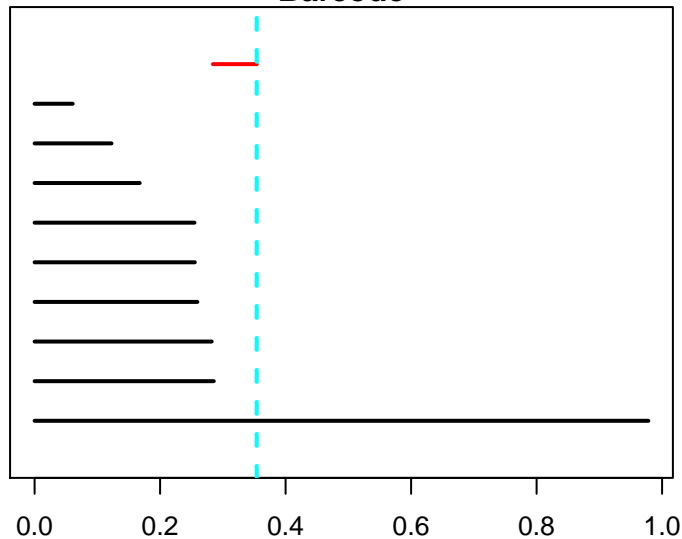
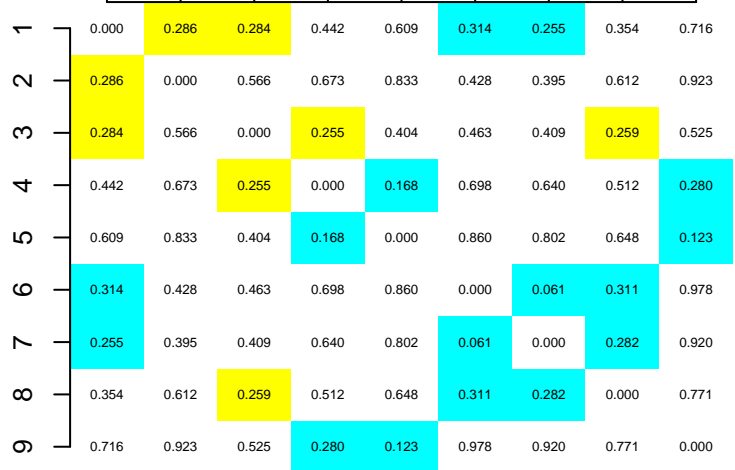
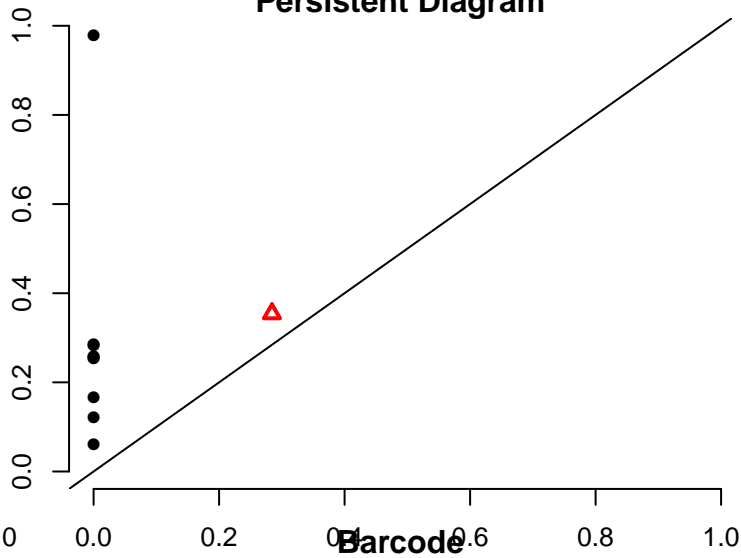
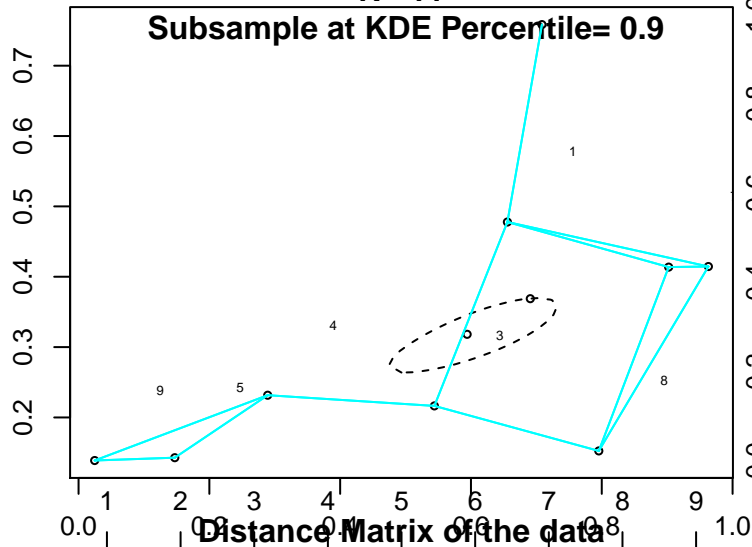
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.354

N= 11

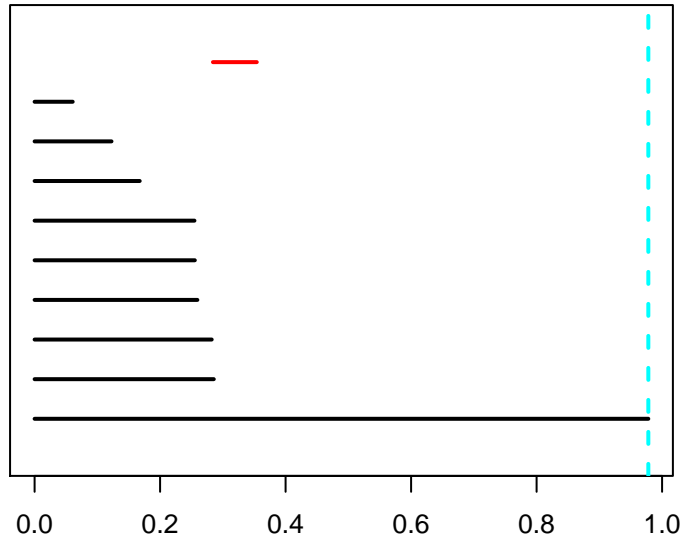
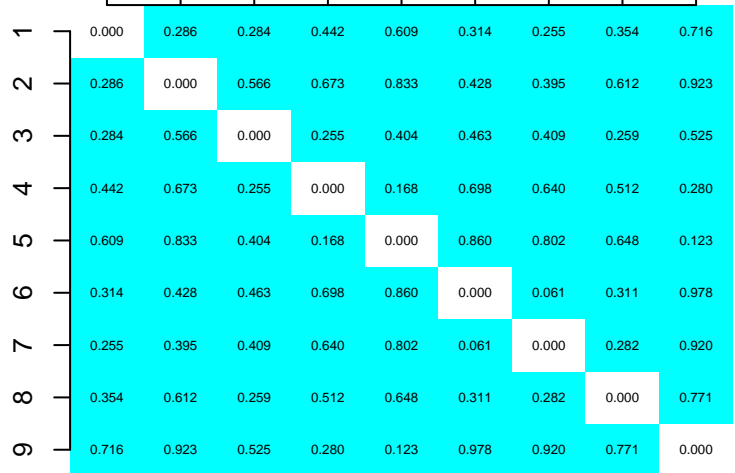
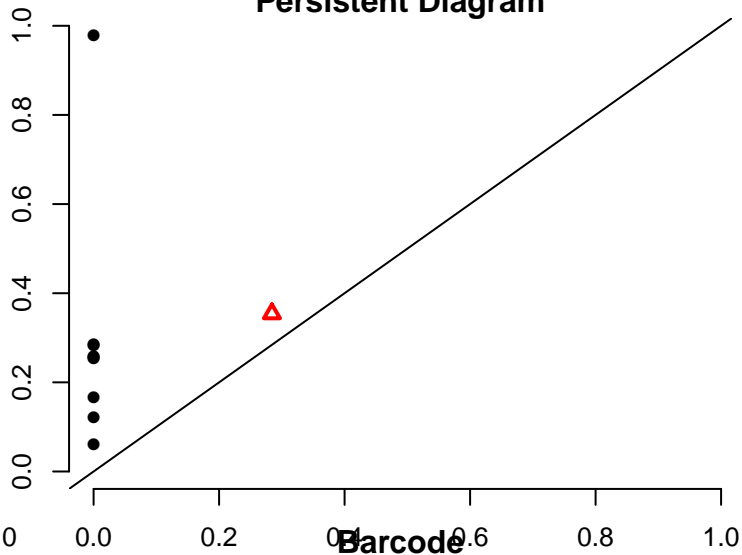
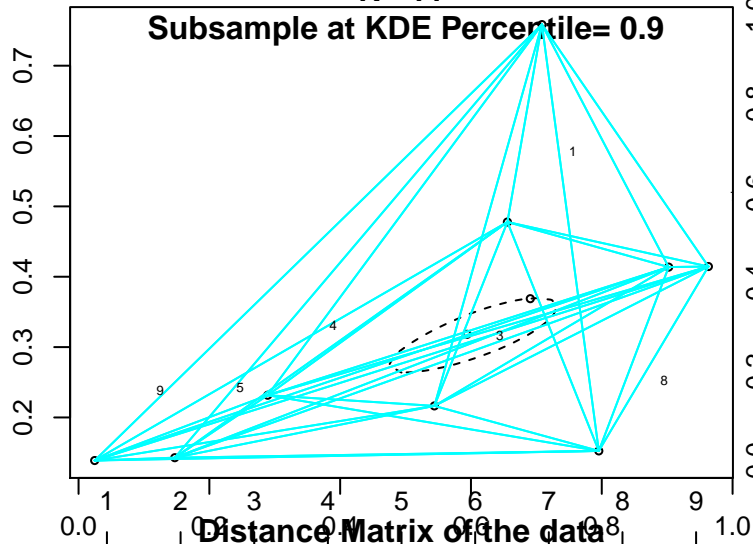
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.978

N= 11

Persistent Diagram

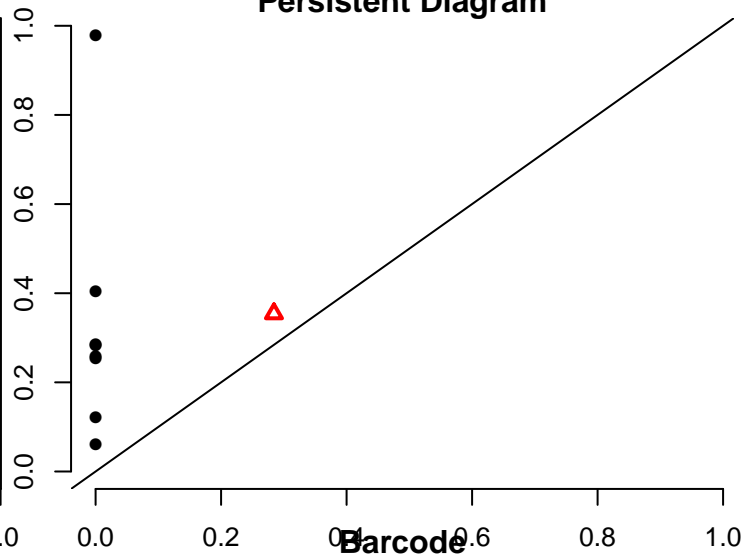
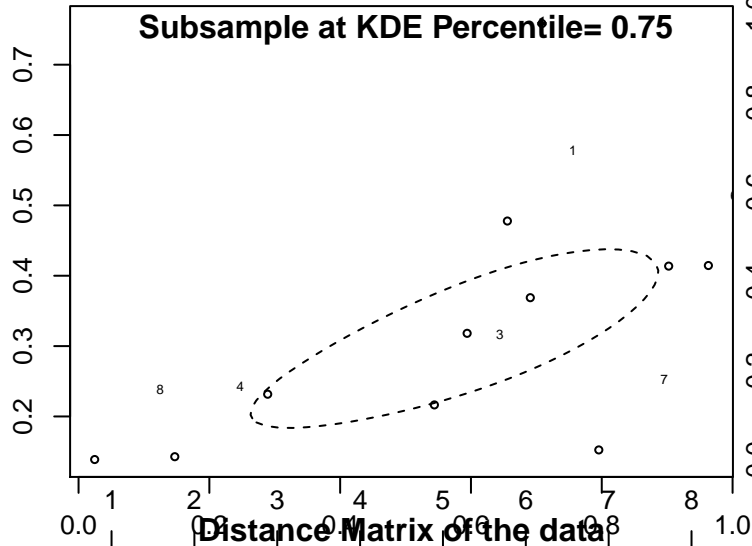


NONSTATIONARY Matern inhibition process, percentile .75

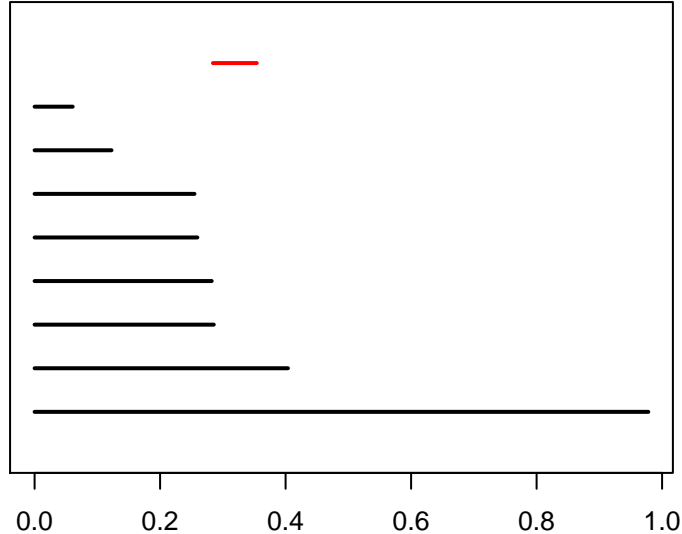
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



	0	1	2	3	4	5	6	7	8
0	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716	
1	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923	
2	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525	
3	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123	
4	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978	
5	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920	
6	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771	
7	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000	
8									

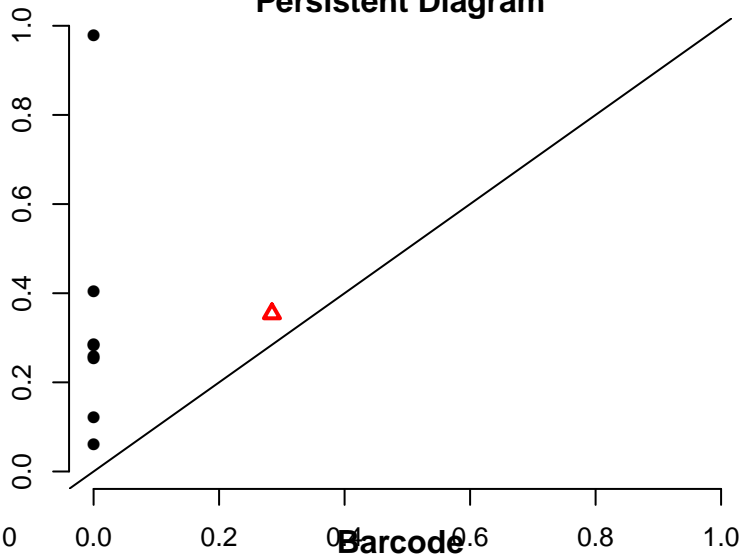
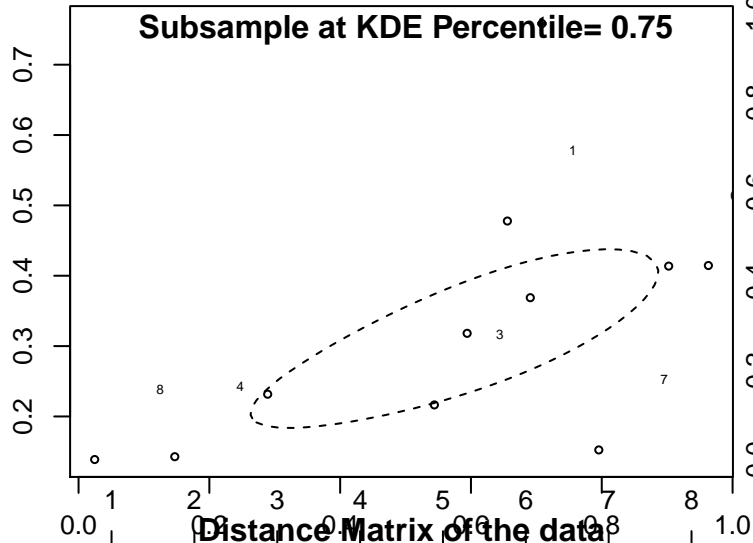


This is the 'Frame' at Euclidean distance = 0

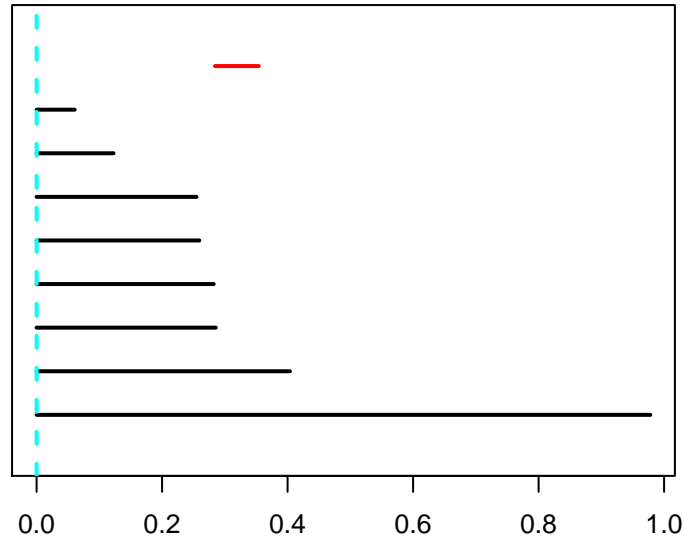
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



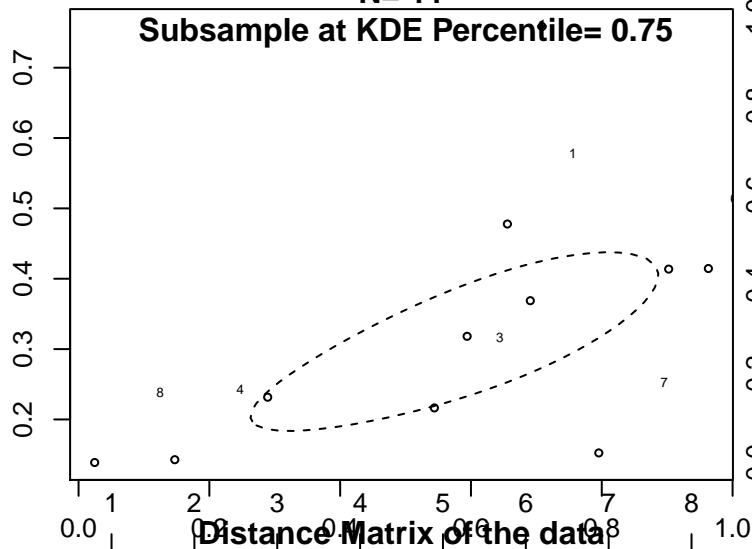
1	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525
4	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123
5	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978
6	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920
7	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771
8	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000



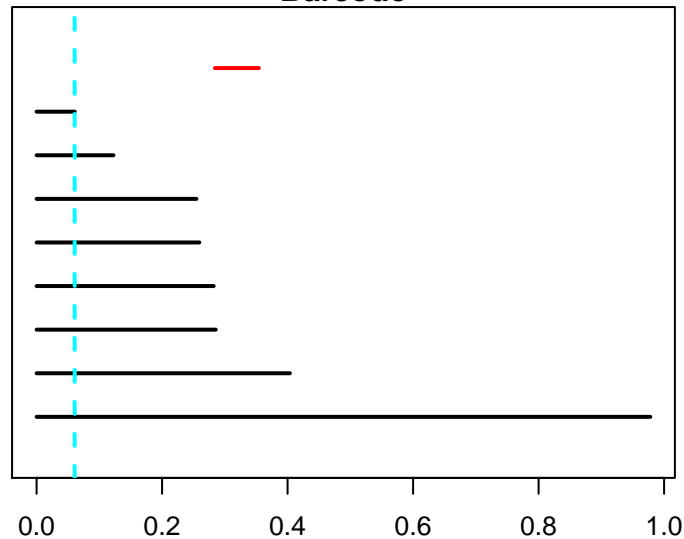
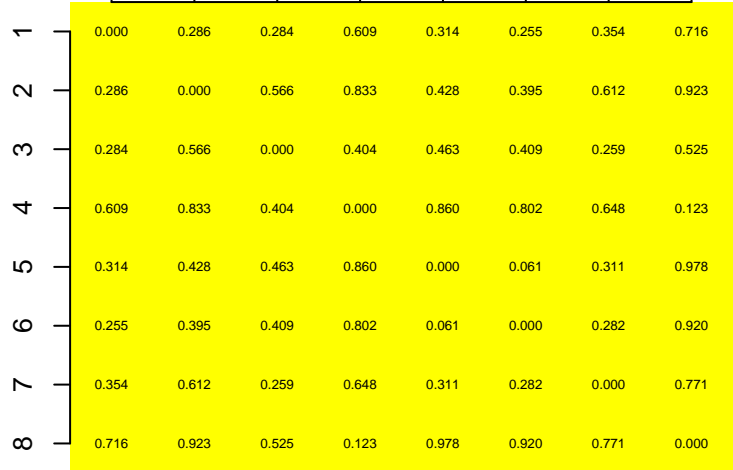
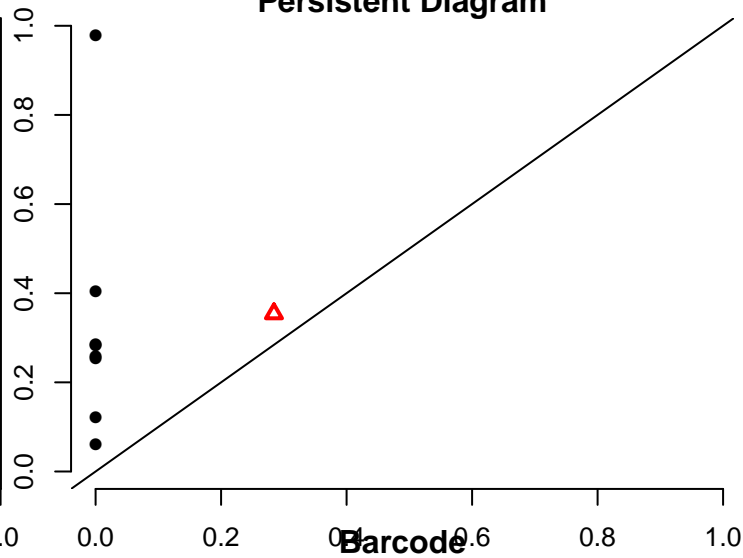
This is the 'Frame' at Euclidean distance = 0.0607

N= 11

Subsample at KDE Percentile= 0.75



Persistent Diagram

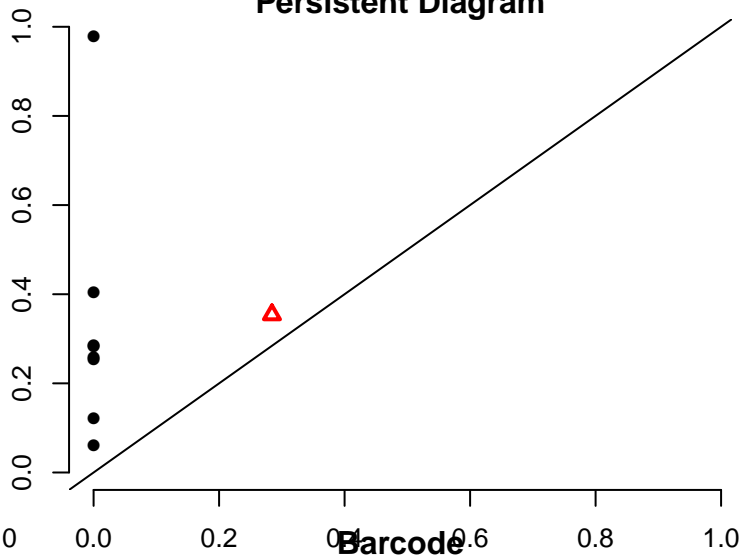
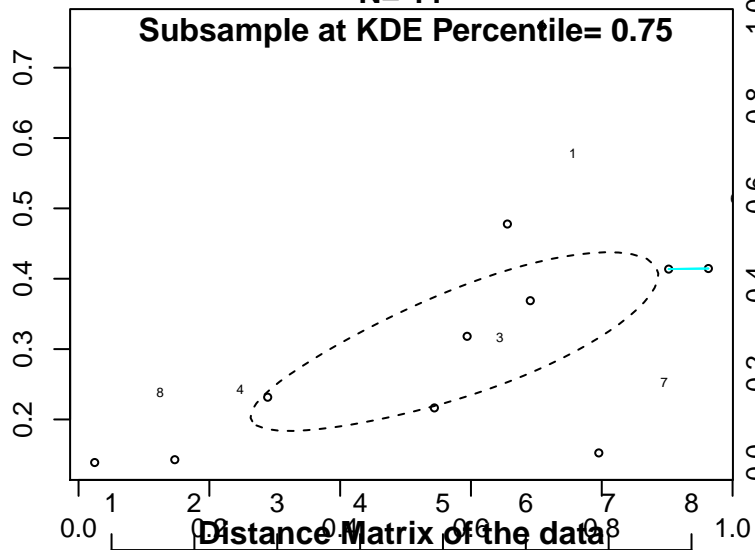


This is the 'Frame' at Euclidean distance = 0.123

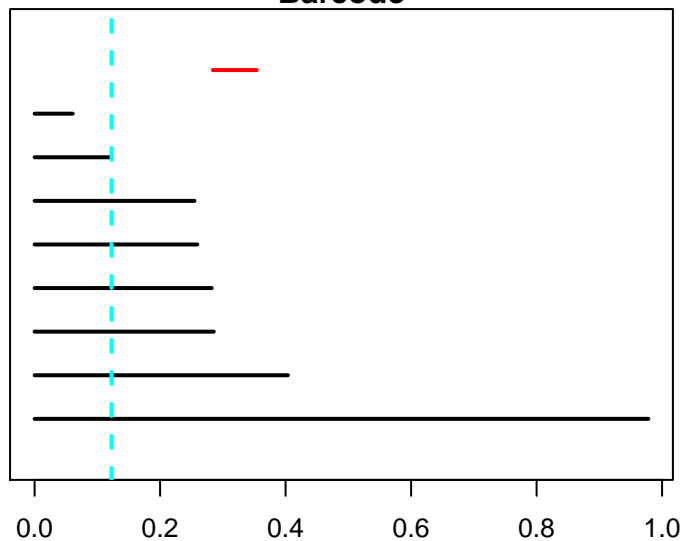
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525
4	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123
5	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978
6	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920
7	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771
8	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000

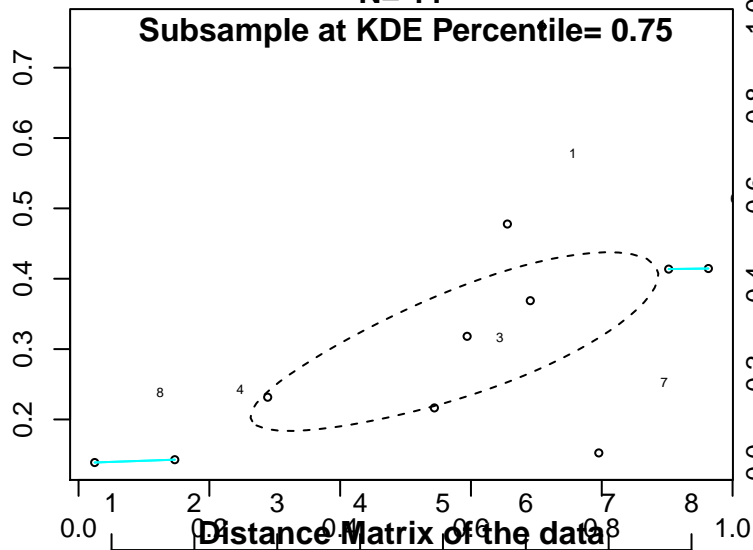


This is the 'Frame' at Euclidean distance = 0.255

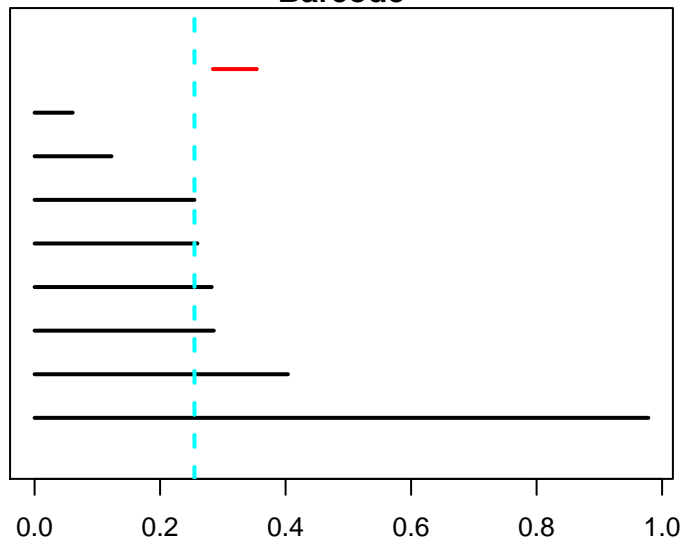
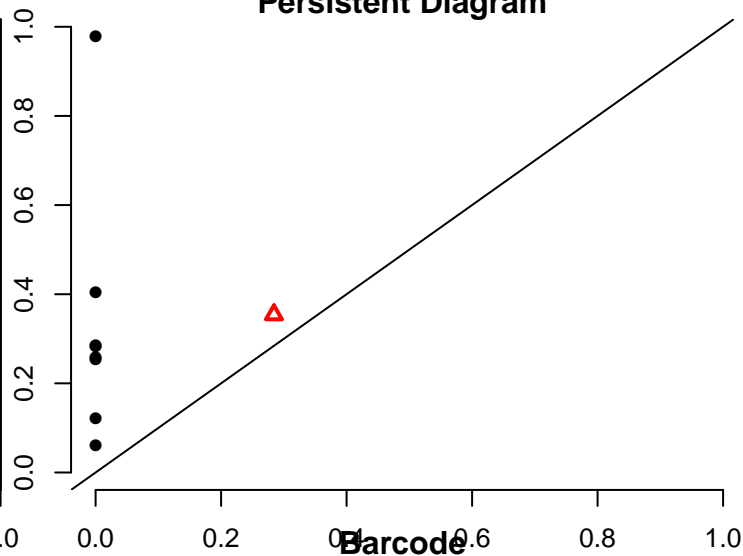
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525
4	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123
5	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978
6	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920
7	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771
8	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000

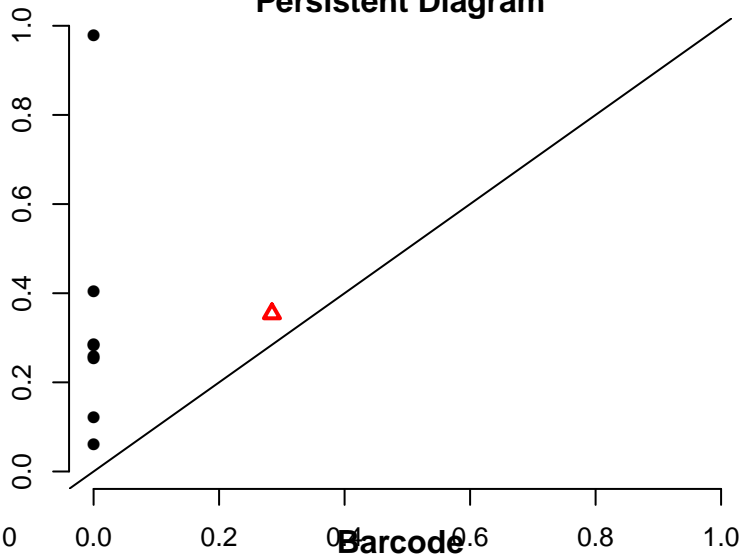
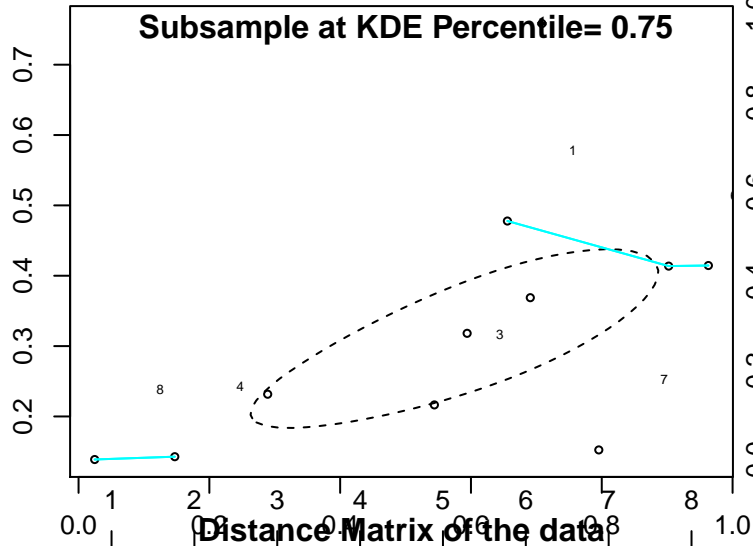


This is the 'Frame' at Euclidean distance = 0.259

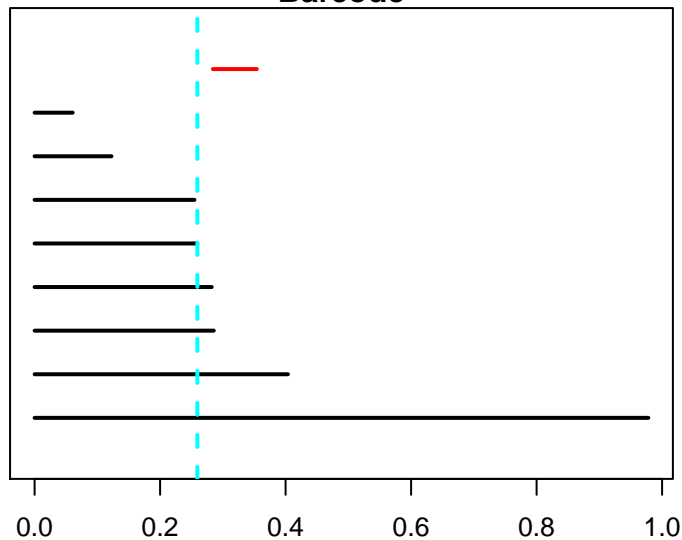
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525
4	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123
5	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978
6	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920
7	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771
8	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000

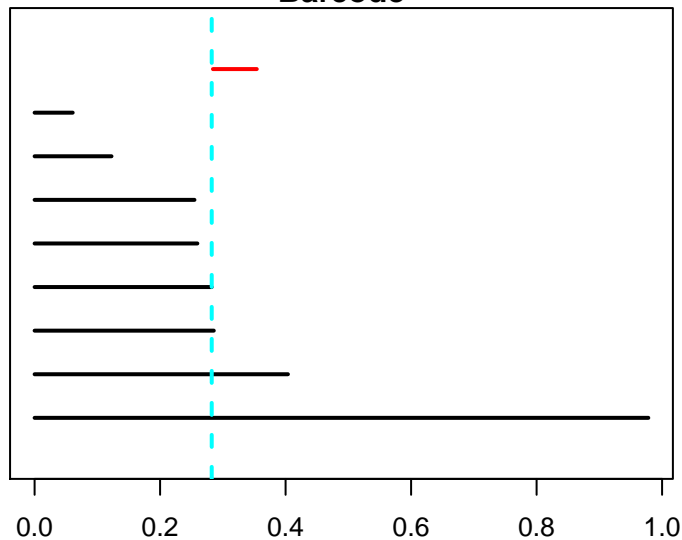
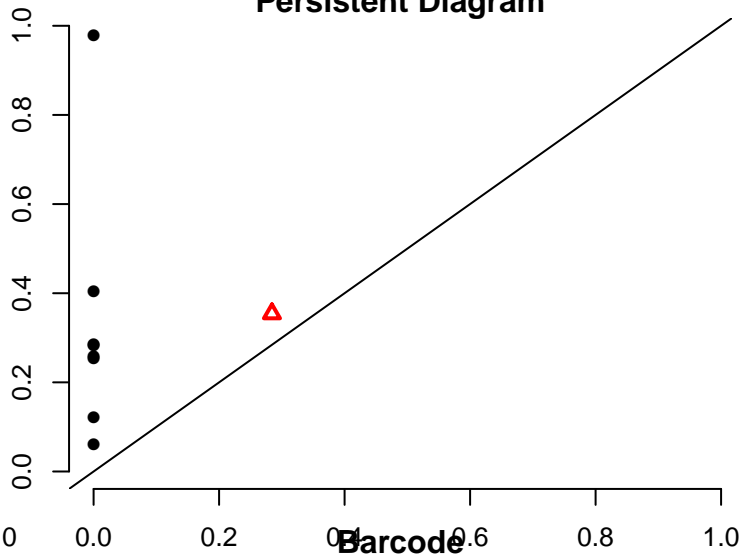
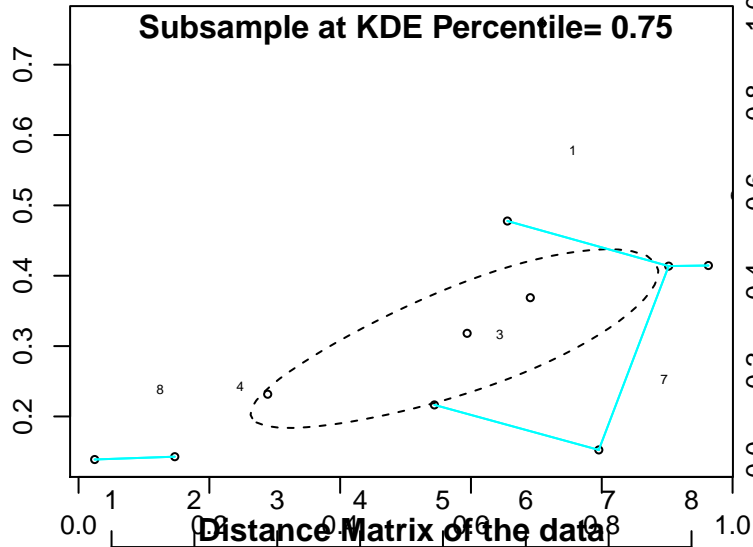


This is the 'Frame' at Euclidean distance = 0.282

N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75

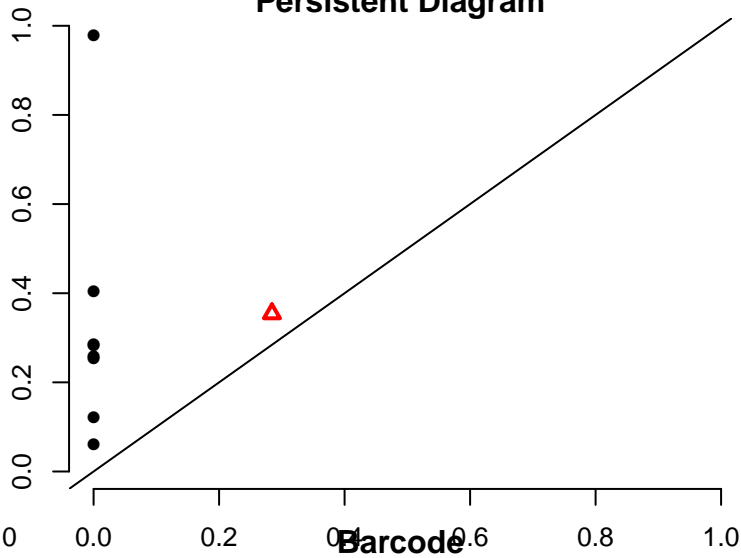
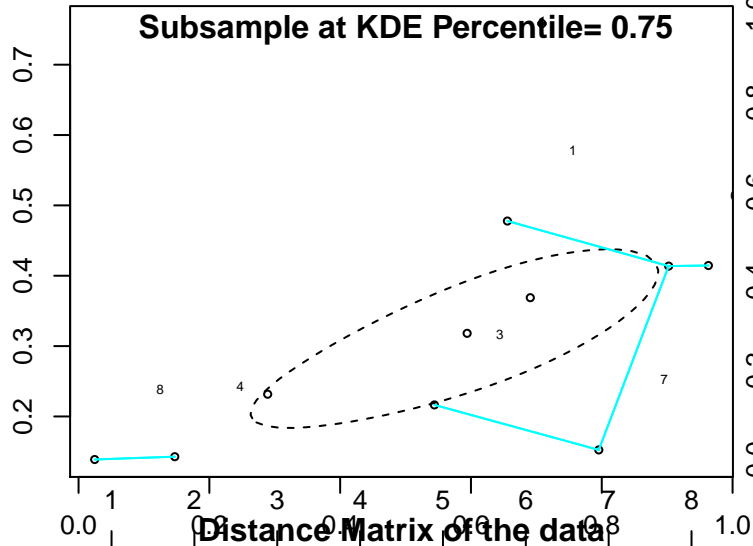


This is the 'Frame' at Euclidean distance = 0.284

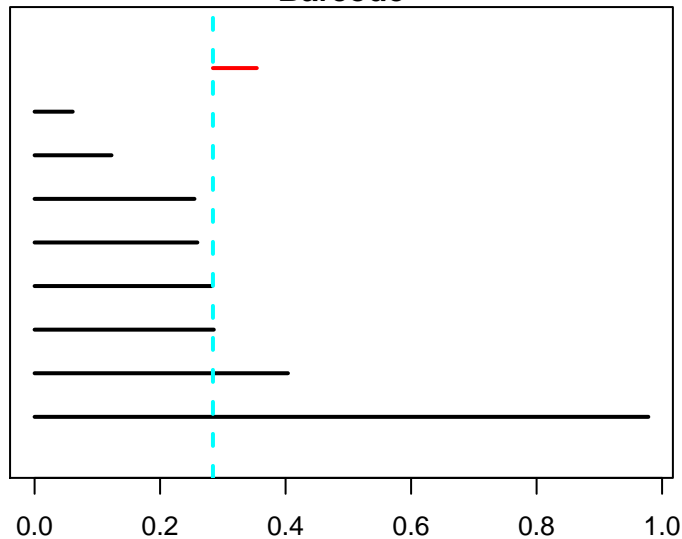
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



	0	1	2	3	4	5	6	7	8
0	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716	
1	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923	
2	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525	
3	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123	
4	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978	
5	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920	
6	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771	
7	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000	
8									

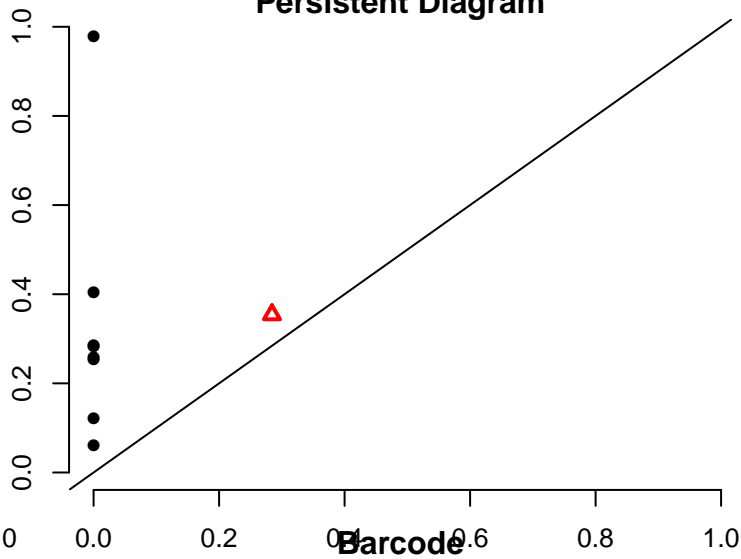
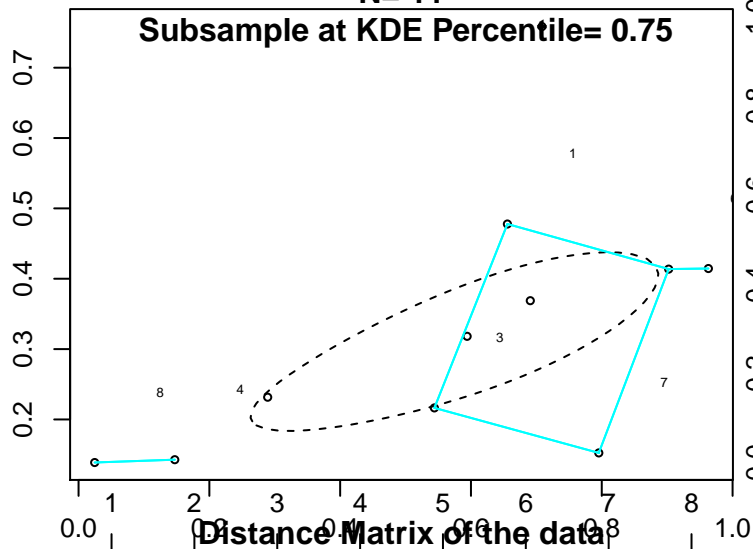


This is the 'Frame' at Euclidean distance = 0.286

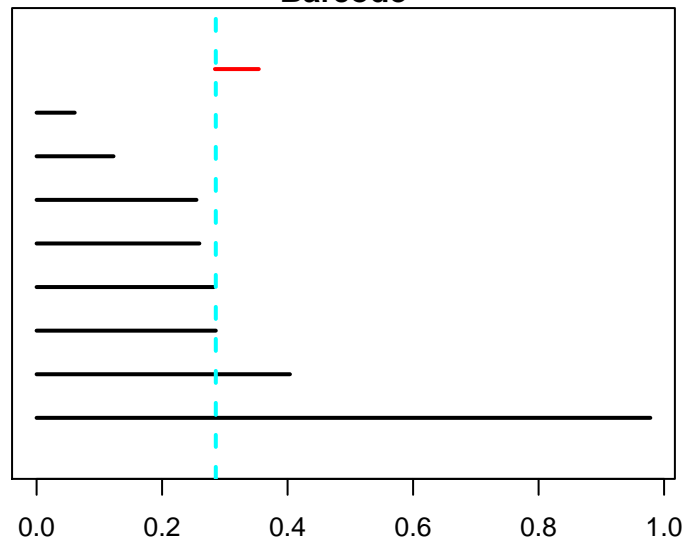
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525
4	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123
5	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978
6	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920
7	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771
8	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000

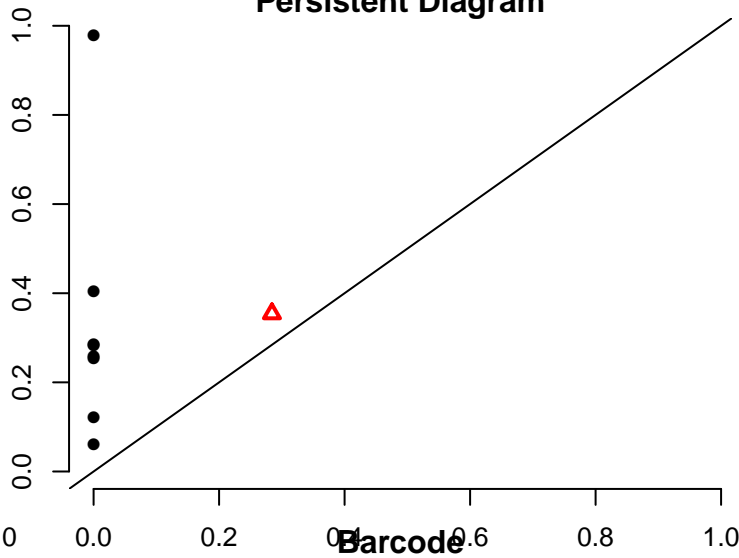
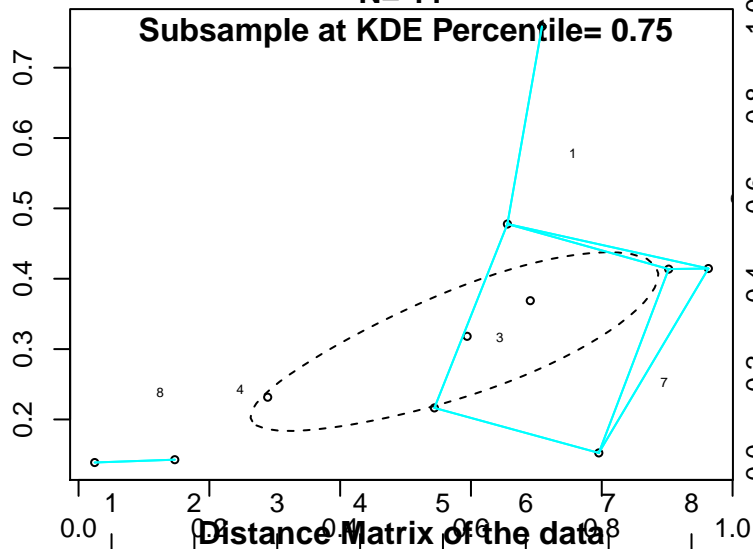


This is the 'Frame' at Euclidean distance = 0.354

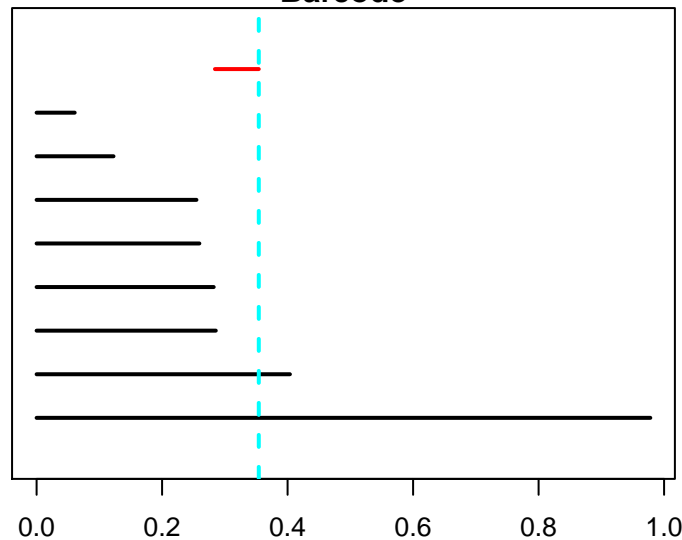
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75



	1	2	3	4	5	6	7	8
1	0.000	0.286	0.284	0.609	0.314	0.255	0.354	0.716
2	0.286	0.000	0.566	0.833	0.428	0.395	0.612	0.923
3	0.284	0.566	0.000	0.404	0.463	0.409	0.259	0.525
4	0.609	0.833	0.404	0.000	0.860	0.802	0.648	0.123
5	0.314	0.428	0.463	0.860	0.000	0.061	0.311	0.978
6	0.255	0.395	0.409	0.802	0.061	0.000	0.282	0.920
7	0.354	0.612	0.259	0.648	0.311	0.282	0.000	0.771
8	0.716	0.923	0.525	0.123	0.978	0.920	0.771	0.000

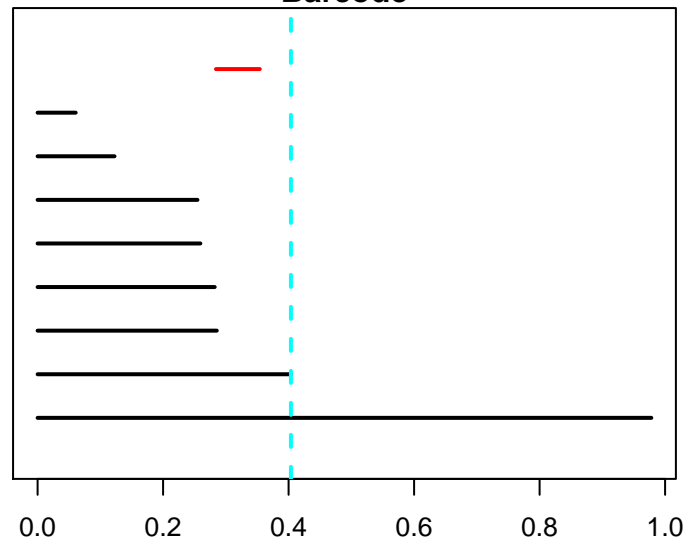
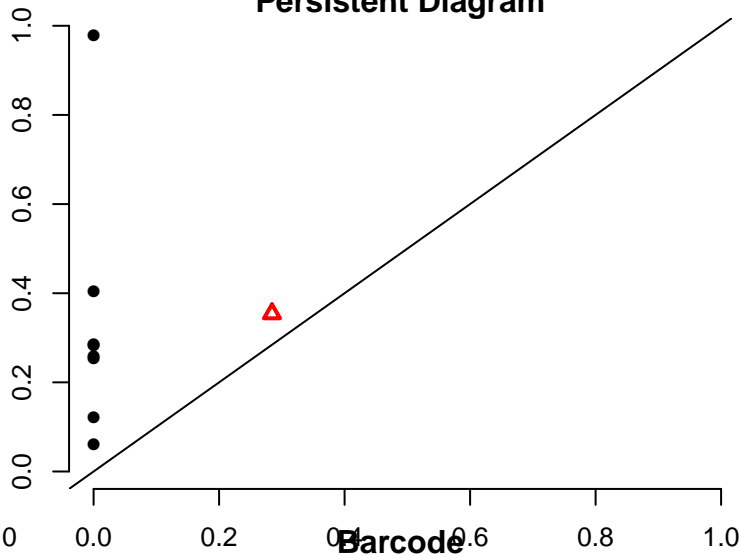
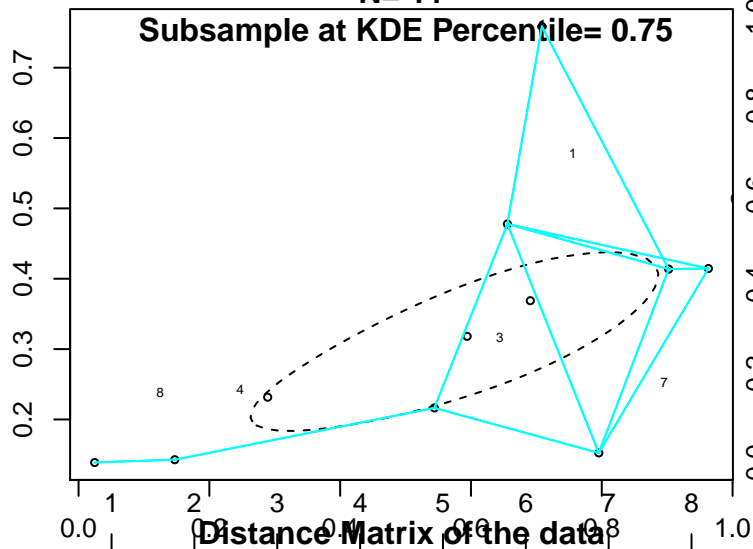


This is the 'Frame' at Euclidean distance = 0.404

N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75

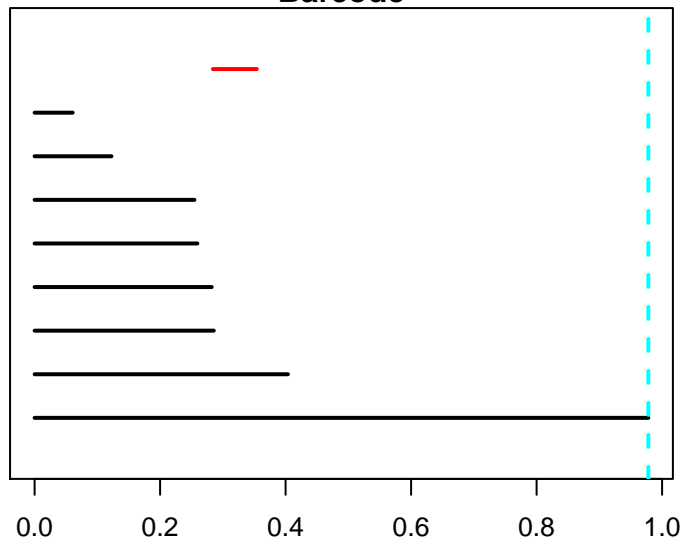
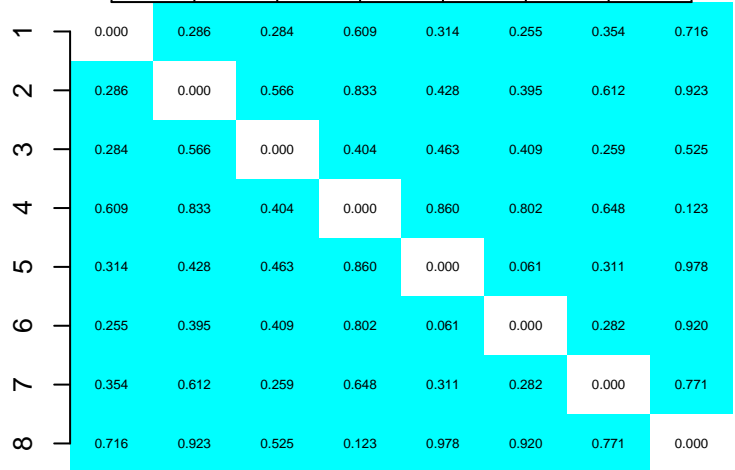
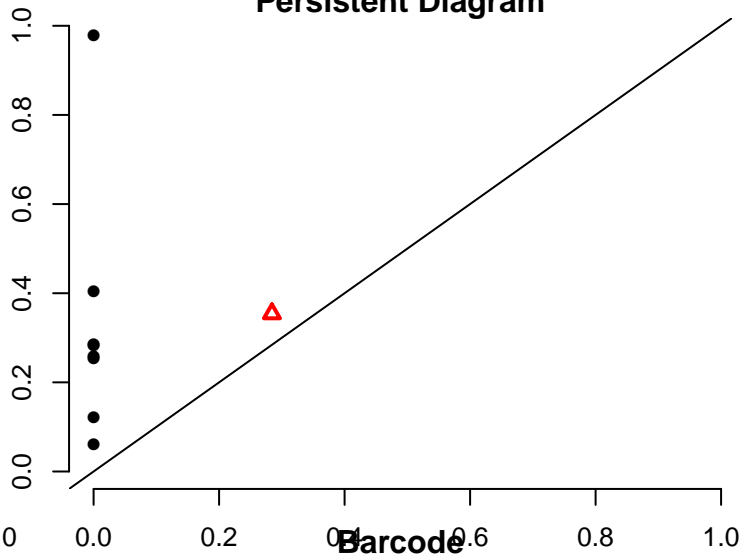
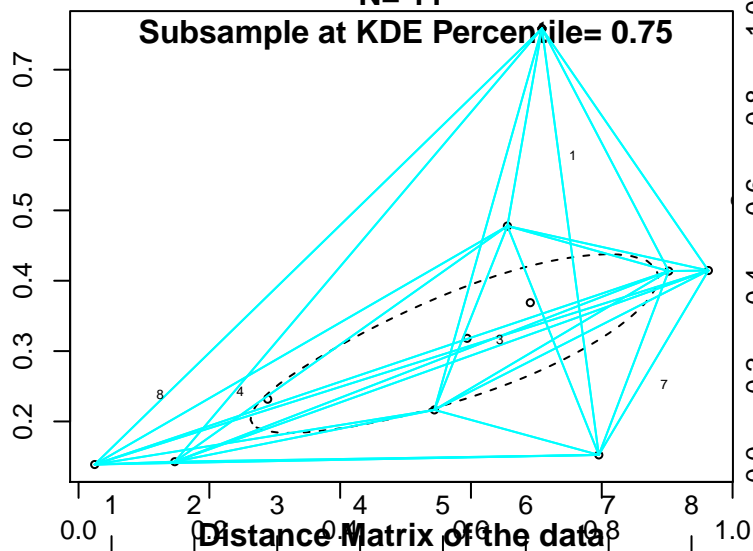


This is the 'Frame' at Euclidean distance = 0.978

N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.75

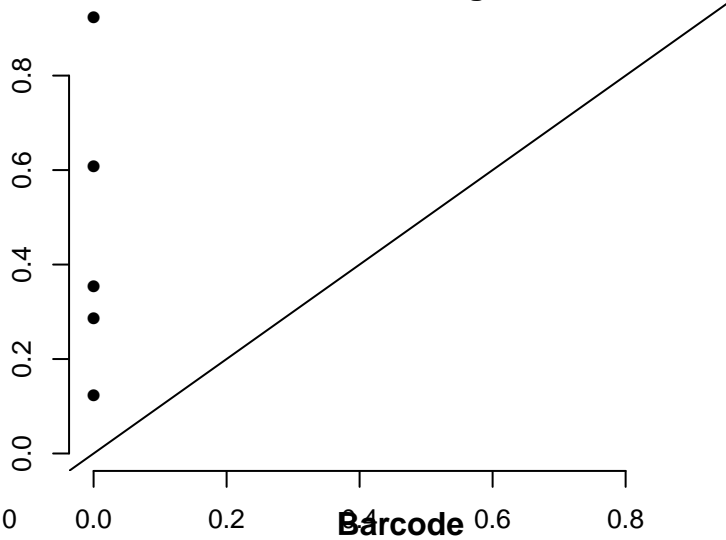
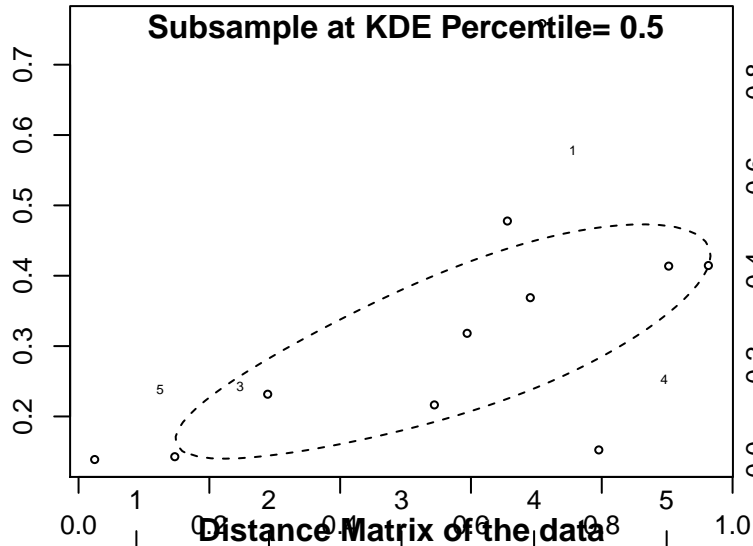


NONSTATIONARY Matern inhibition process, percentile .5

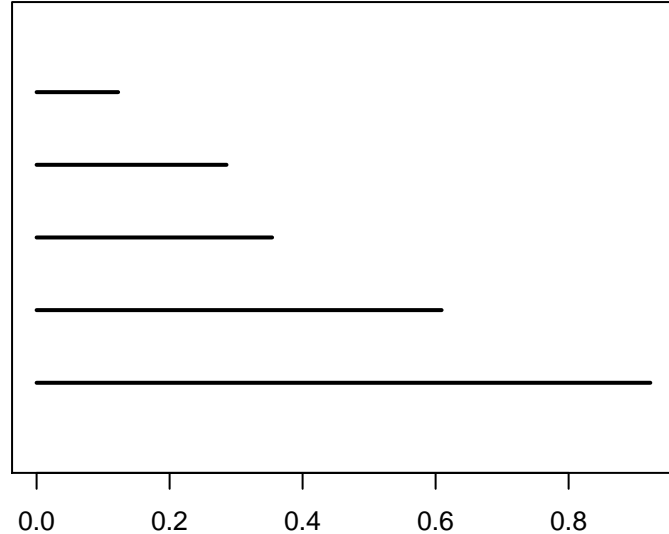
N= 11

Persistent Diagram

Subsample at KDE Percentile= 0.5



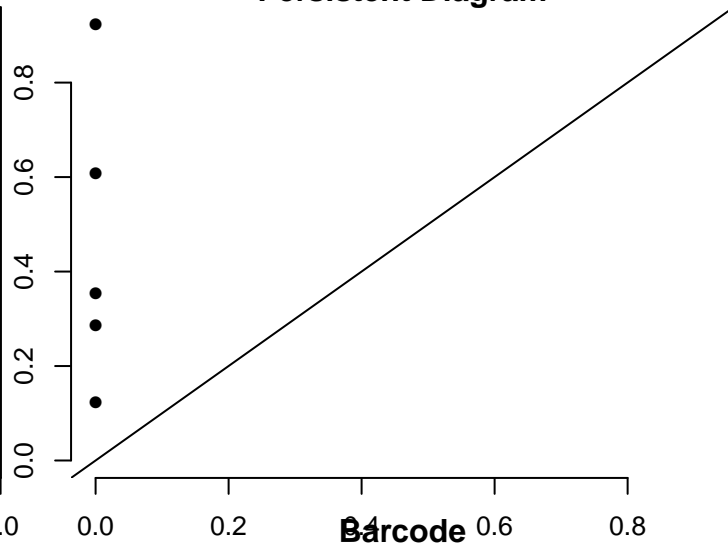
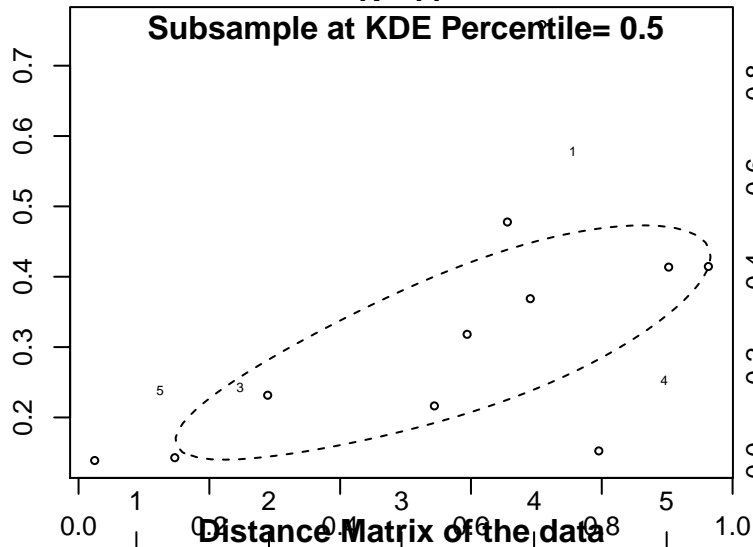
1	0.000	0.286	0.609	0.354	0.716
2	0.286	0.000	0.833	0.612	0.923
3	0.609	0.833	0.000	0.648	0.123
4	0.354	0.612	0.648	0.000	0.771
5	0.716	0.923	0.123	0.771	0.000



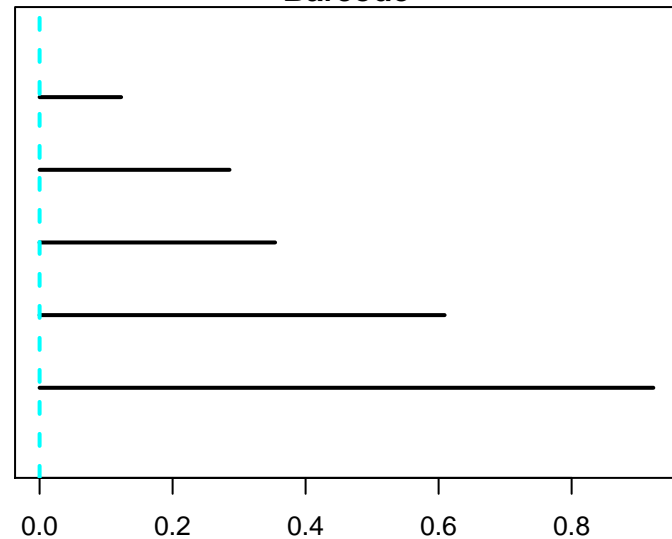
This is the 'Frame' at Euclidean distance = 0

N= 11

Persistent Diagram



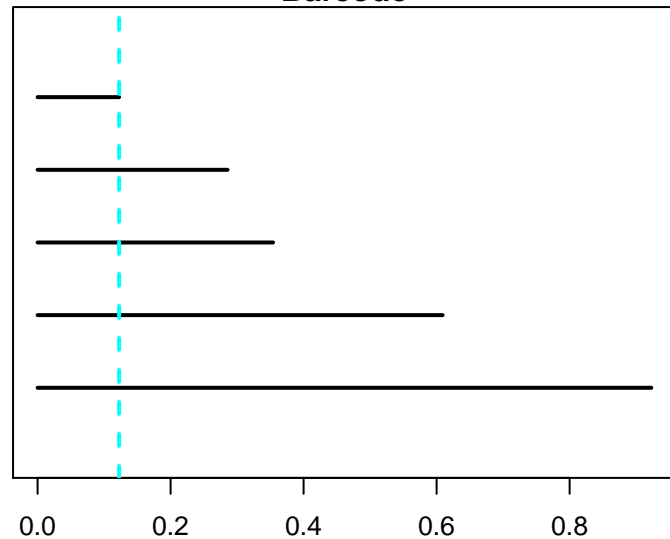
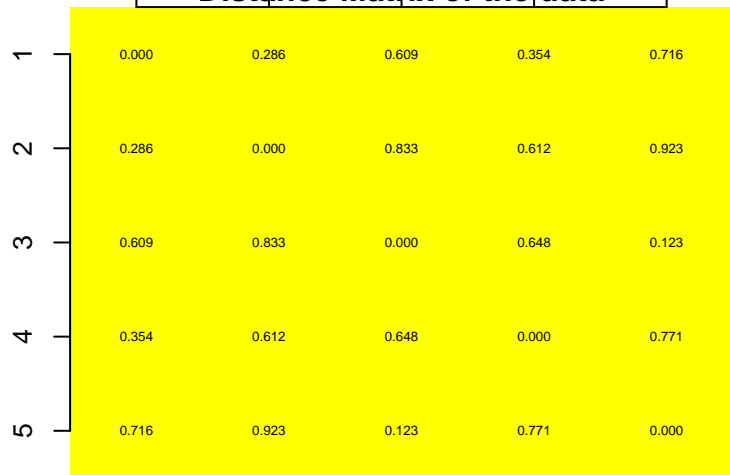
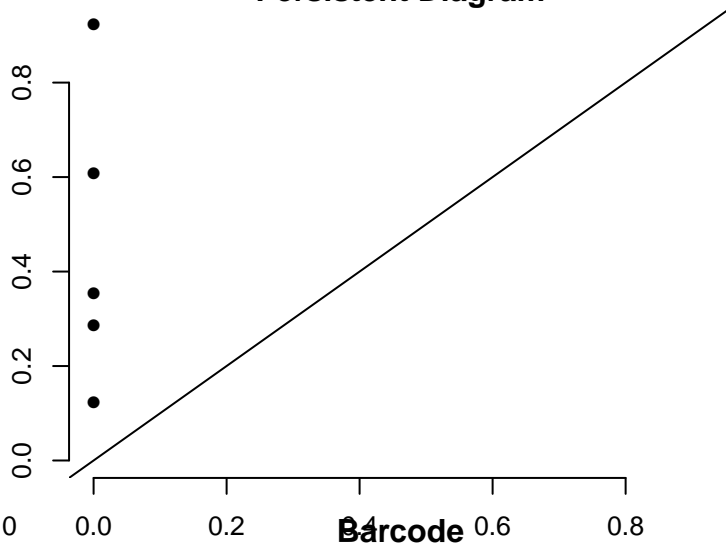
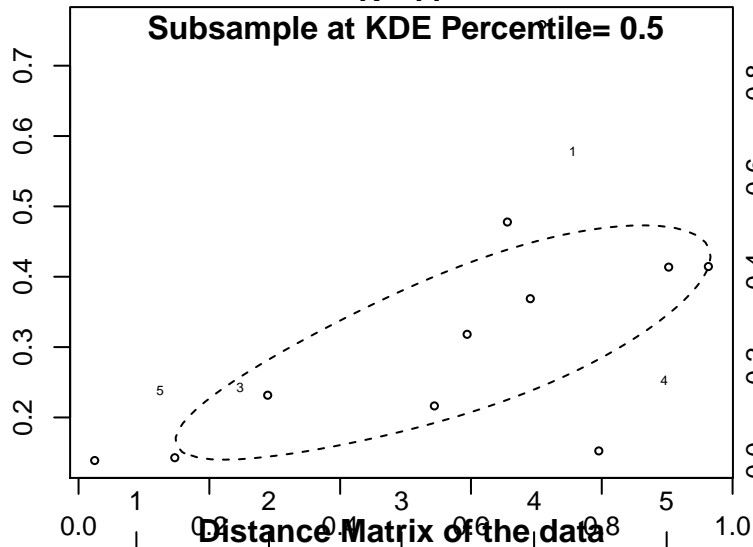
1	0.000	0.286	0.609	0.354	0.716
2	0.286	0.000	0.833	0.612	0.923
3	0.609	0.833	0.000	0.648	0.123
4	0.354	0.612	0.648	0.000	0.771
5	0.716	0.923	0.123	0.771	0.000



This is the 'Frame' at Euclidean distance = 0.123

N= 11

Persistent Diagram

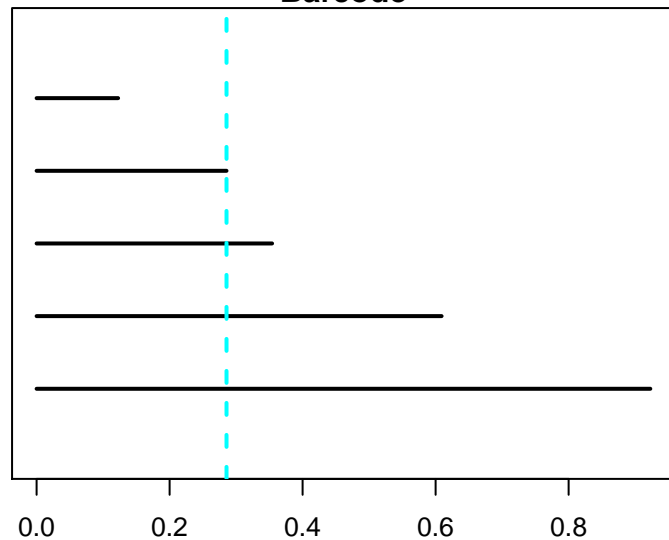
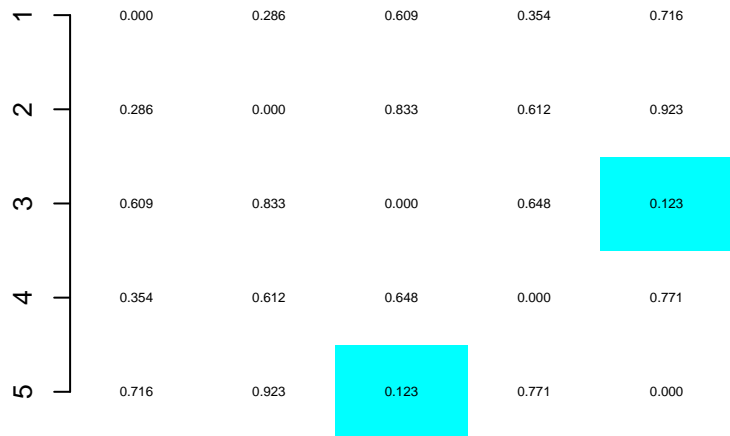
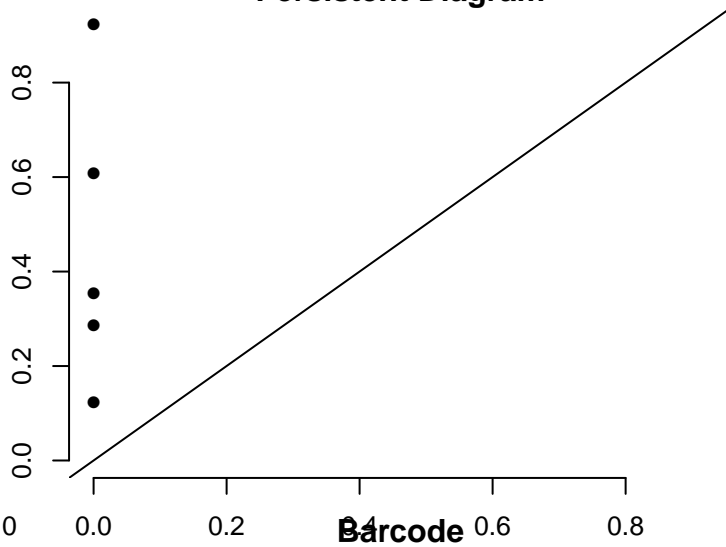
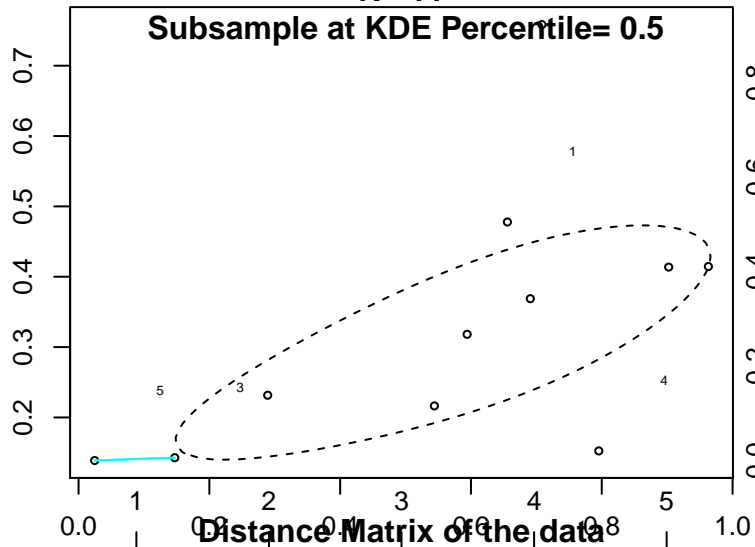


This is the 'Frame' at Euclidean distance = 0.286

N= 11

Persistent Diagram

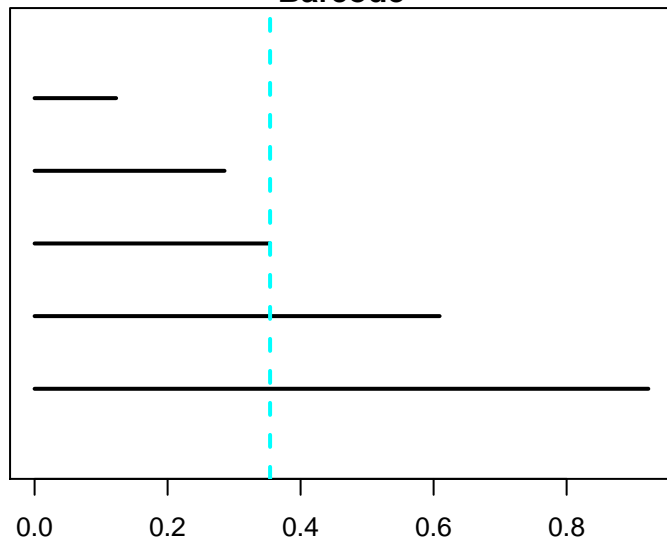
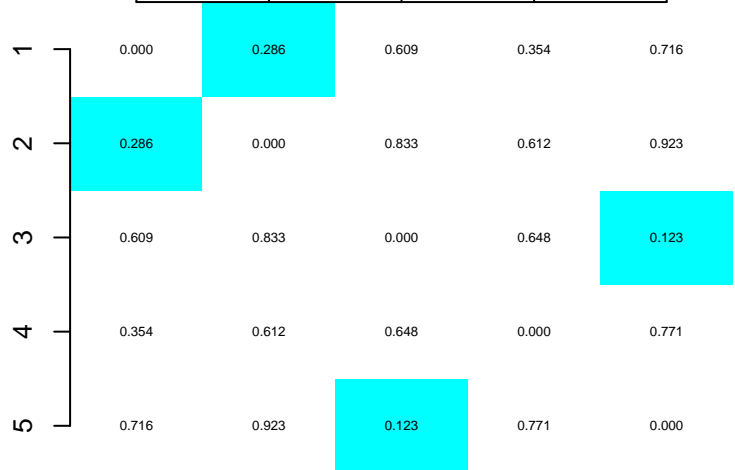
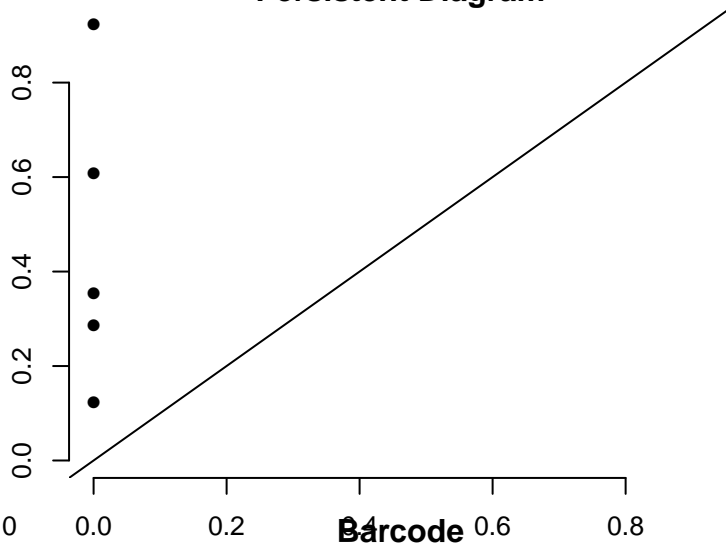
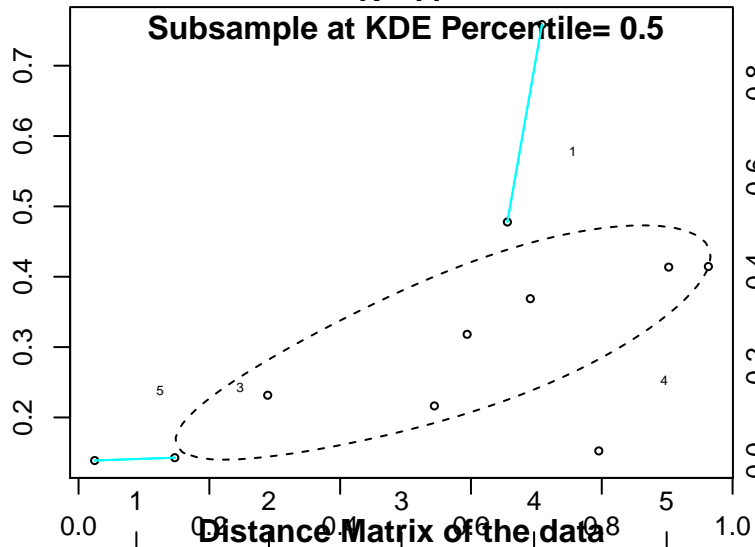
Subsample at KDE Percentile= 0.5



This is the 'Frame' at Euclidean distance = 0.354

N= 11

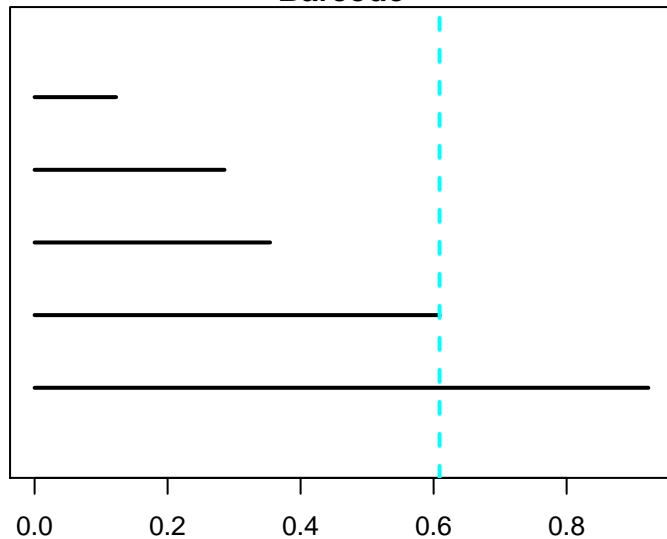
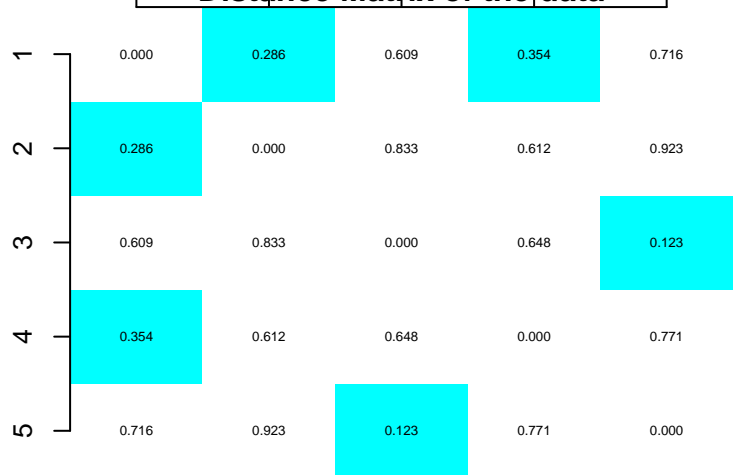
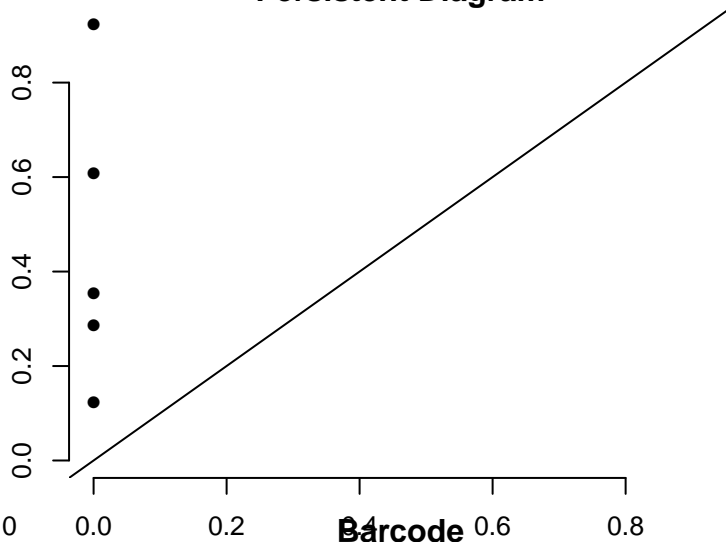
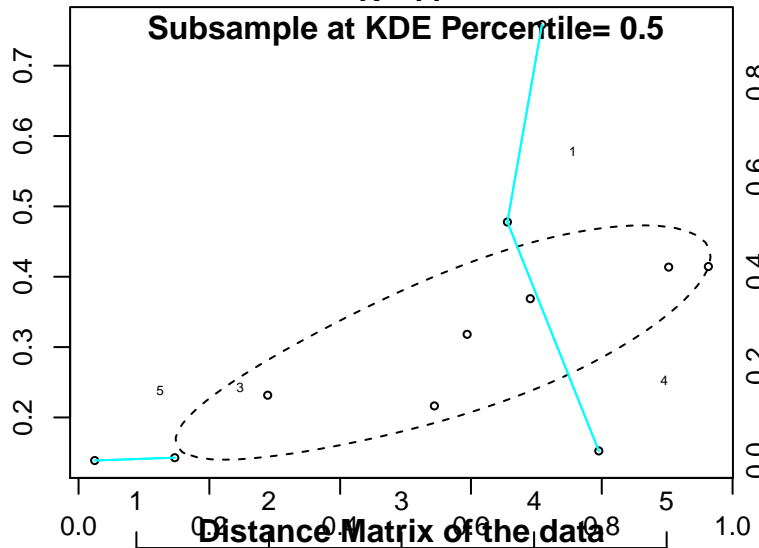
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.609

N= 11

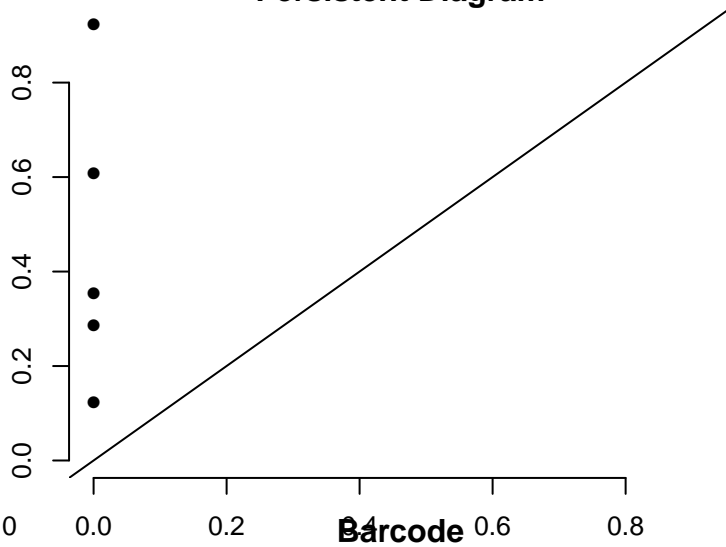
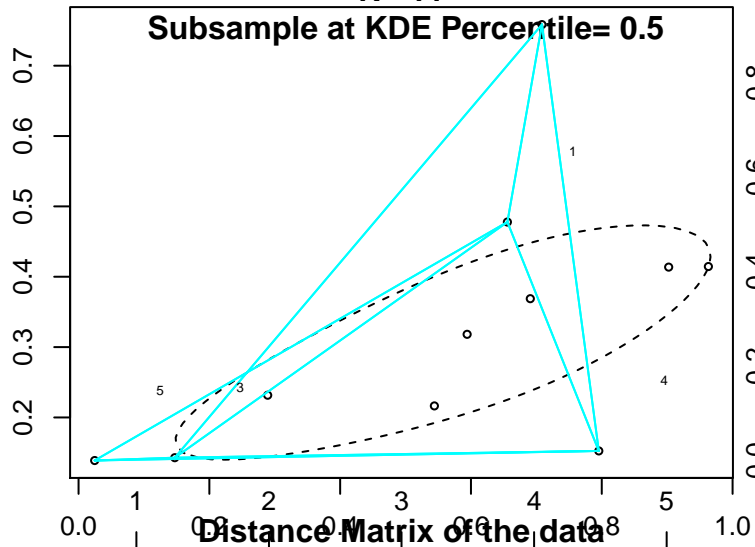
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.923

N= 11

Persistent Diagram

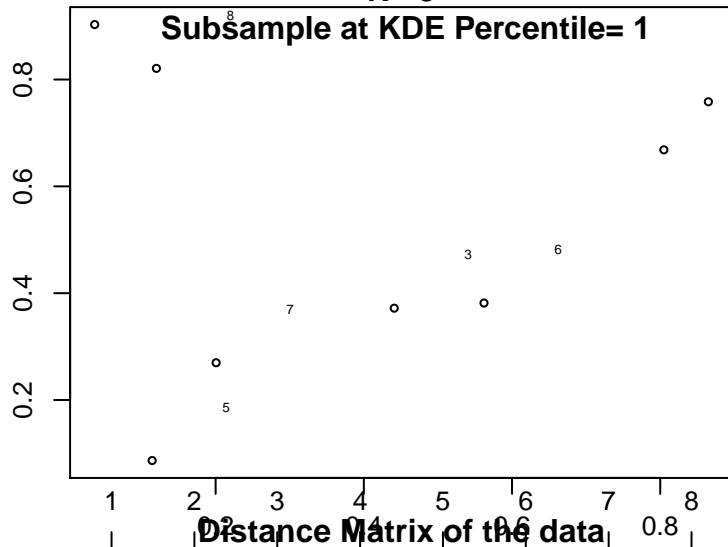


Result and Frame-by-frame plots for
a simulated realisation of the STATIONARY Matern Model I inhibition process model
with intensity 10 and inhibit distance 0.01

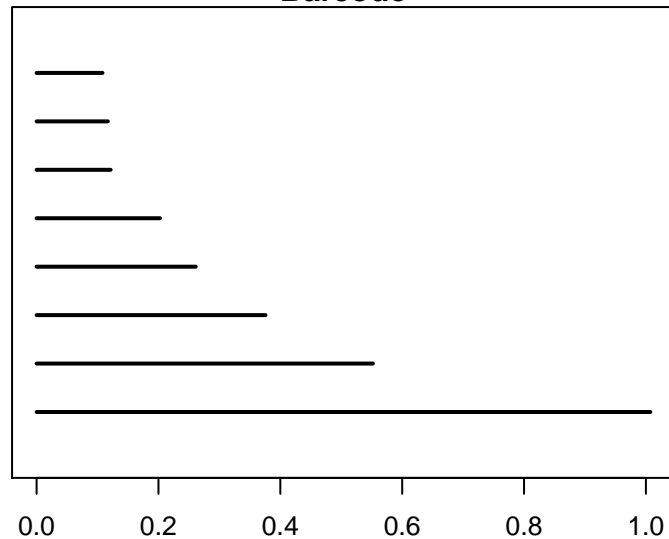
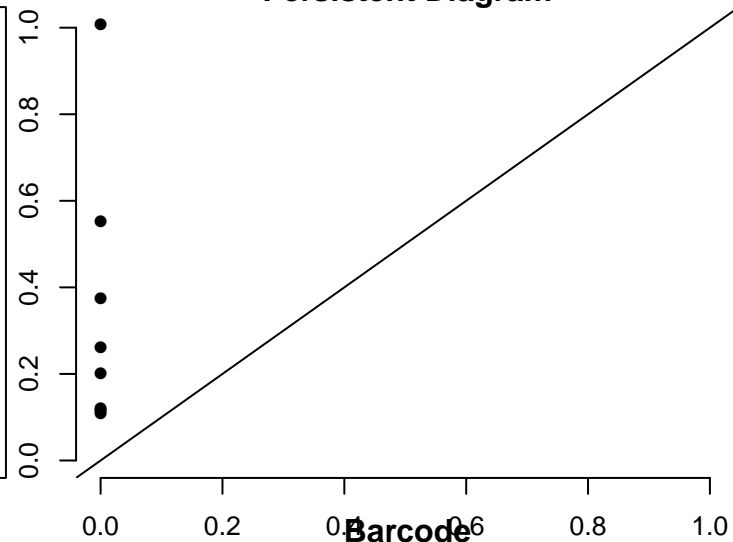
STATIONARY Matern inhibition process, percentile 1

N= 8

Persistent Diagram



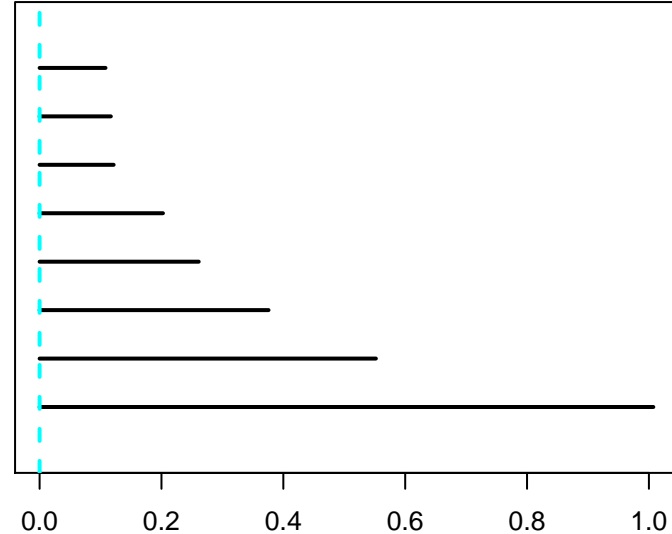
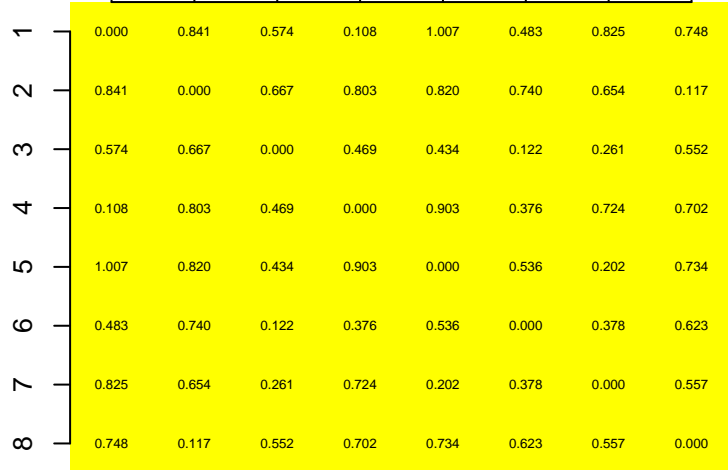
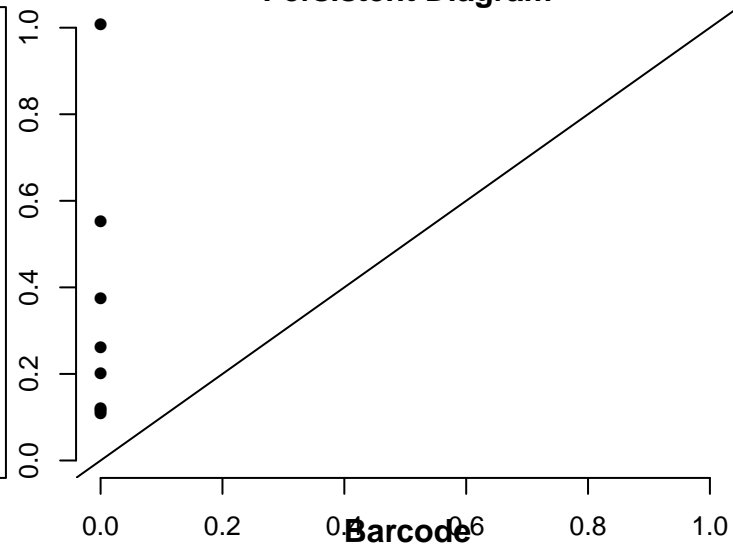
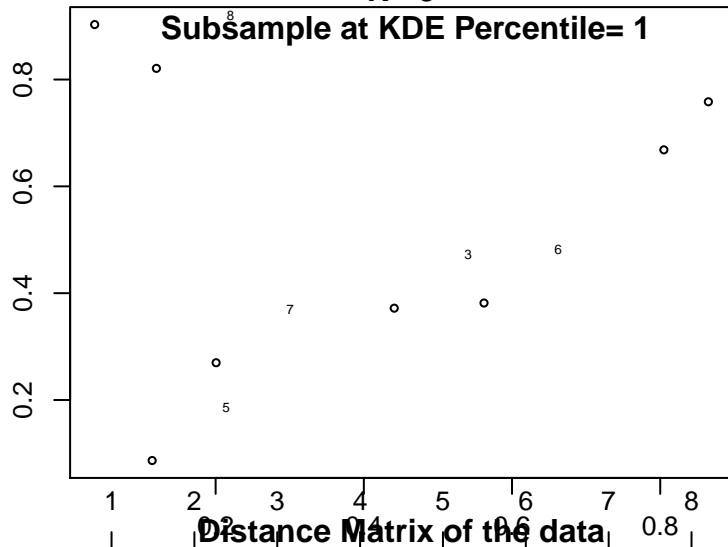
	1	2	3	4	5	6	7	8
1	0.000	0.841	0.574	0.108	1.007	0.483	0.825	0.748
2	0.841	0.000	0.667	0.803	0.820	0.740	0.654	0.117
3	0.574	0.667	0.000	0.469	0.434	0.122	0.261	0.552
4	0.108	0.803	0.469	0.000	0.903	0.376	0.724	0.702
5	1.007	0.820	0.434	0.903	0.000	0.536	0.202	0.734
6	0.483	0.740	0.122	0.376	0.536	0.000	0.378	0.623
7	0.825	0.654	0.261	0.724	0.202	0.378	0.000	0.557
8	0.748	0.117	0.552	0.702	0.734	0.623	0.557	0.000



This is the 'Frame' at Euclidean distance = 0

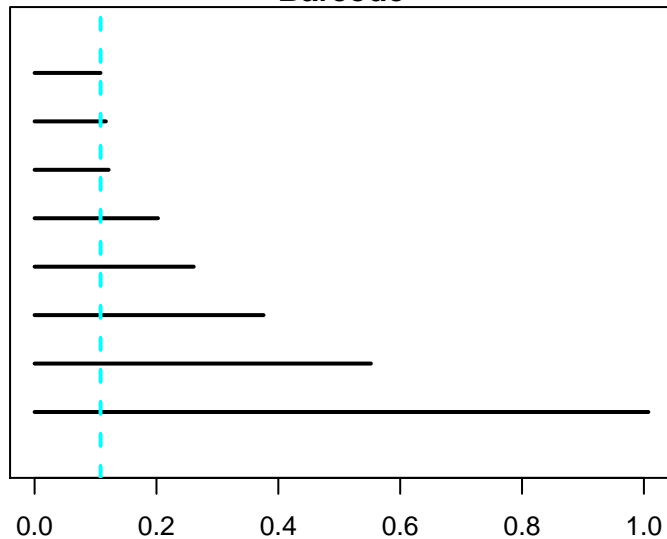
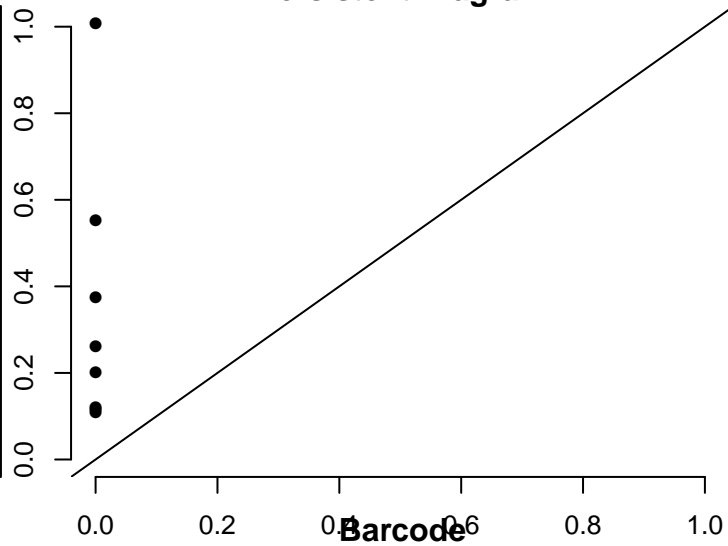
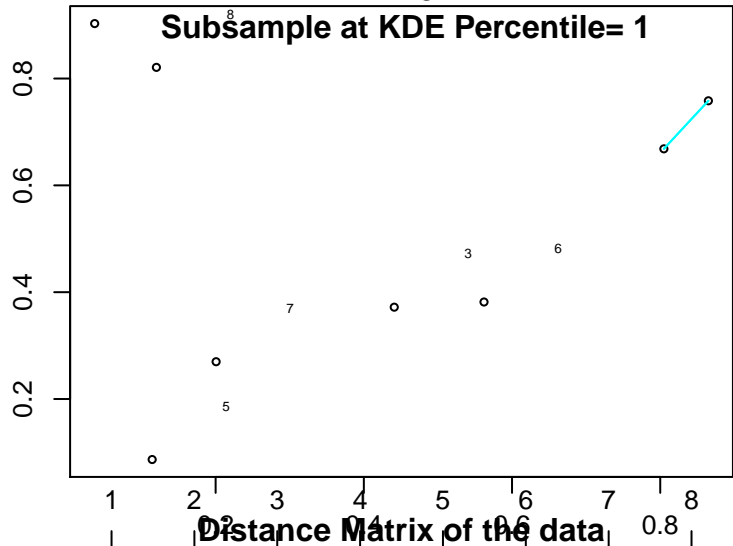
N= 8

Persistent Diagram



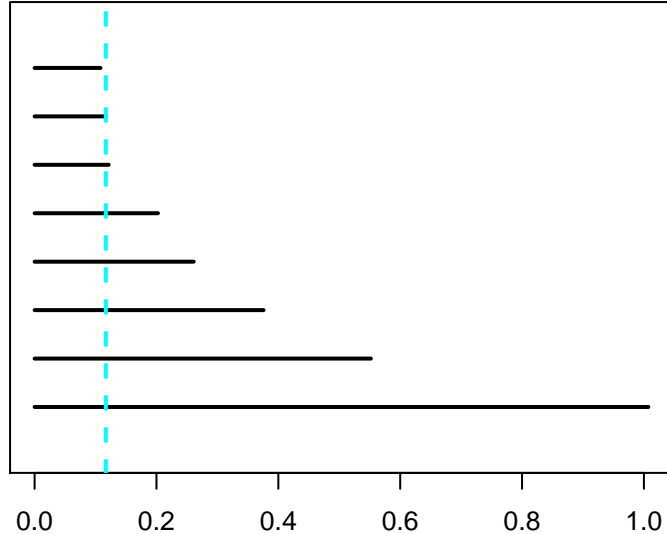
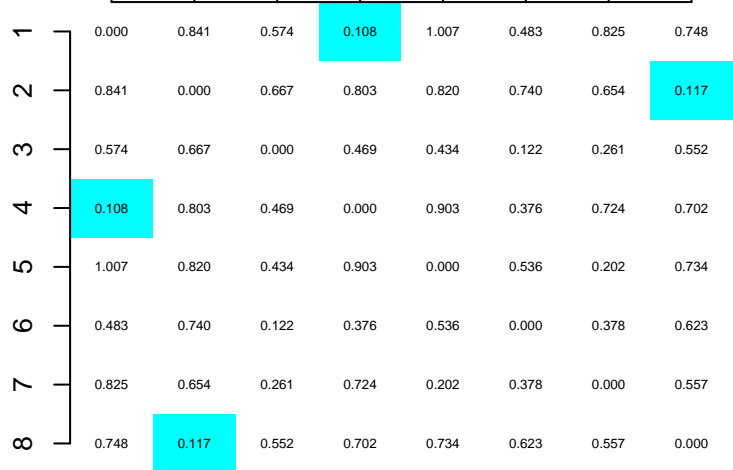
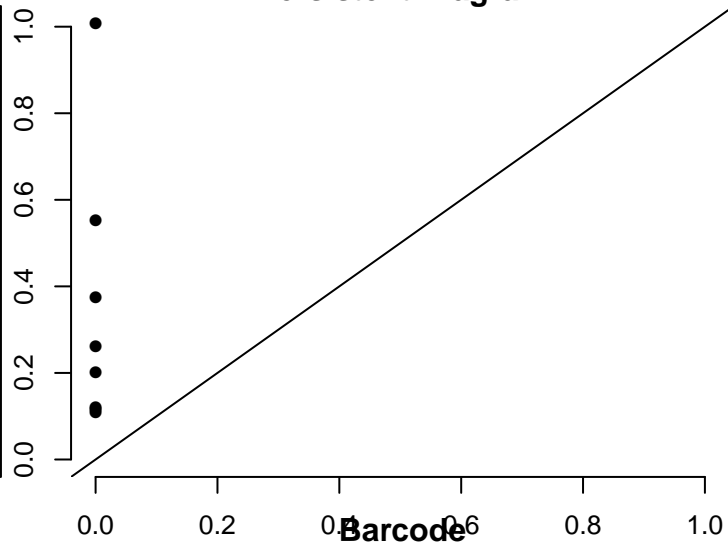
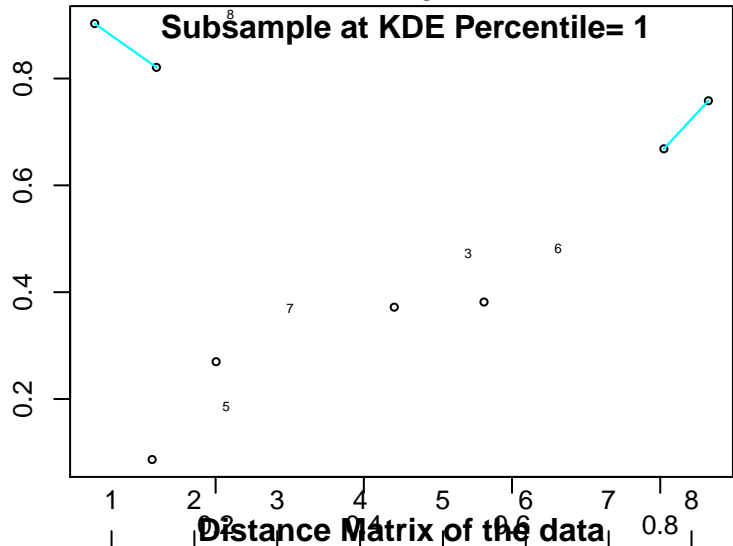
This is the 'Frame' at Euclidean distance = 0.108

Persistent Diagram



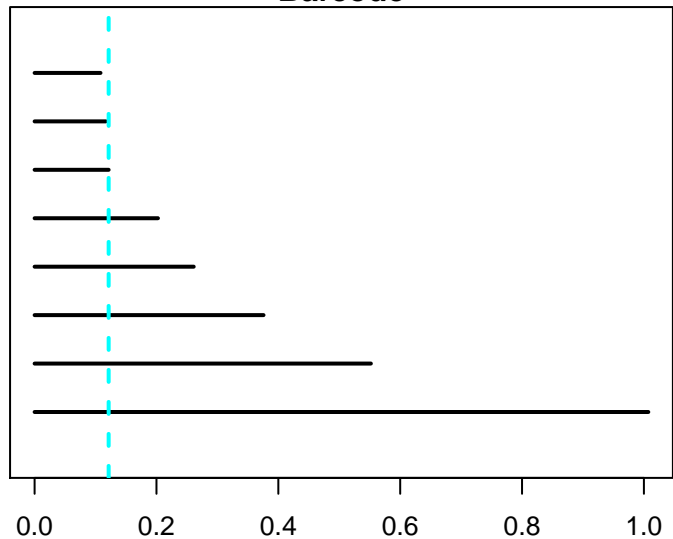
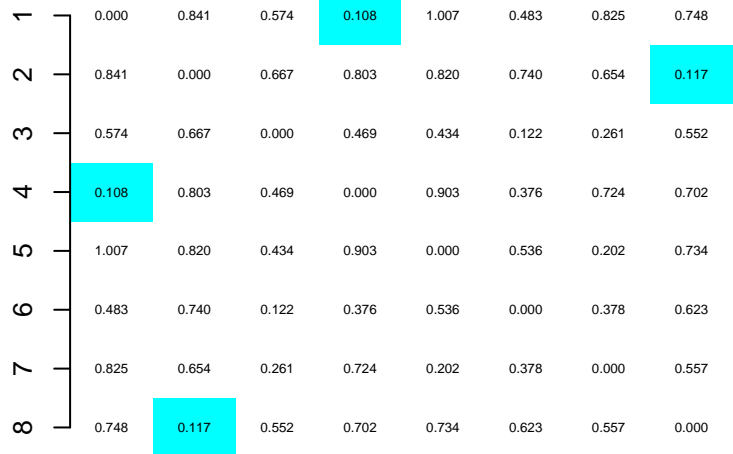
This is the 'Frame' at Euclidean distance = 0.117

Persistent Diagram



N= 8

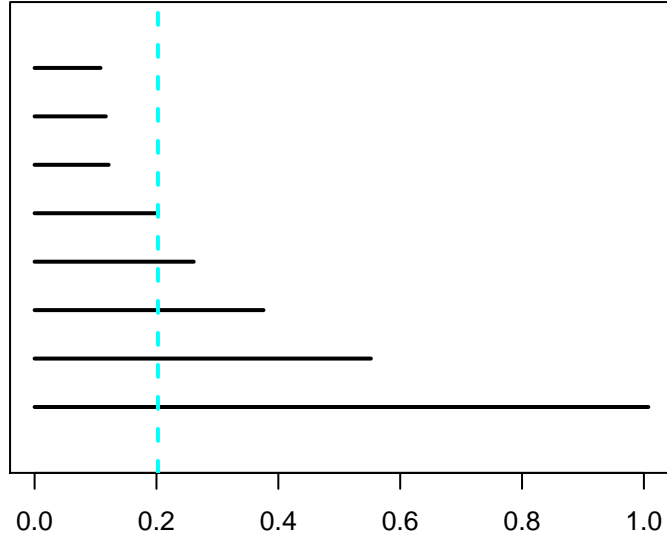
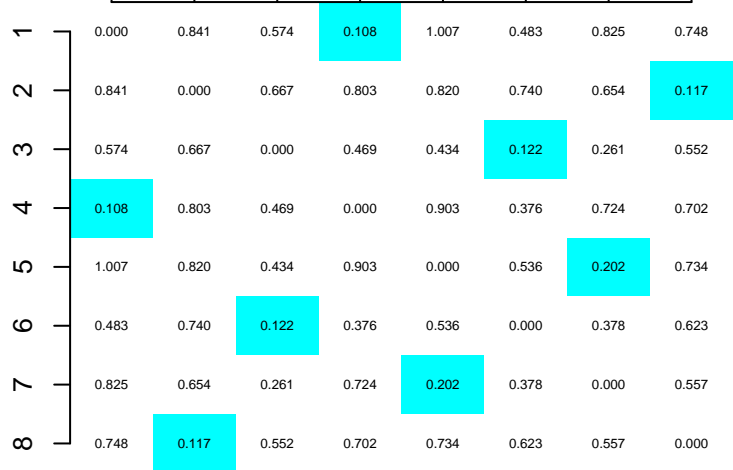
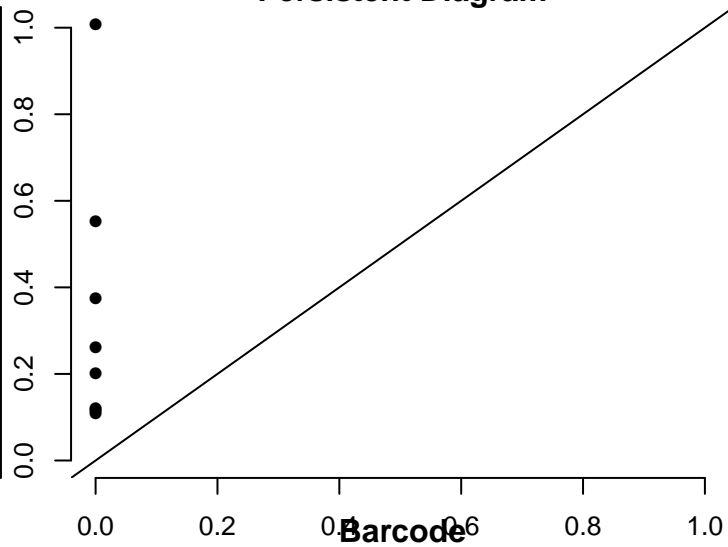
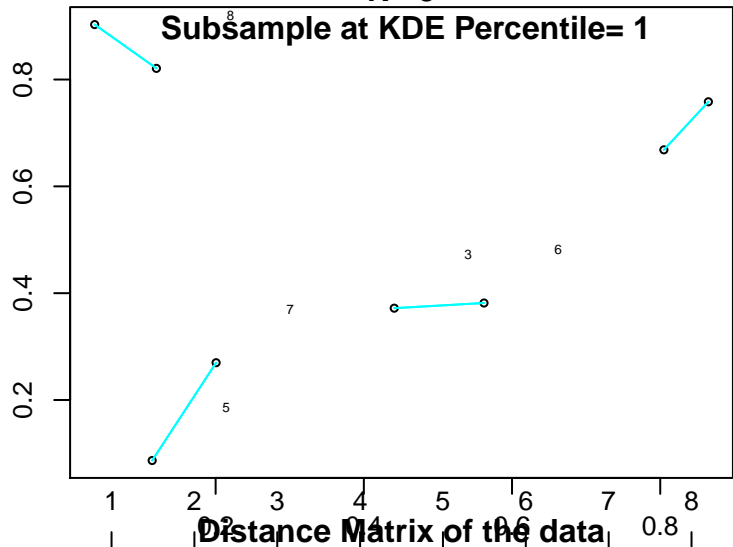
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.202

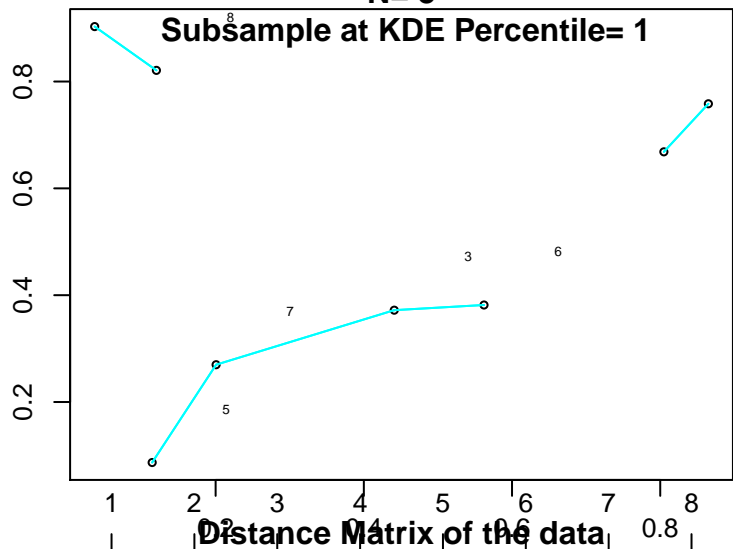
N= 8

Persistent Diagram

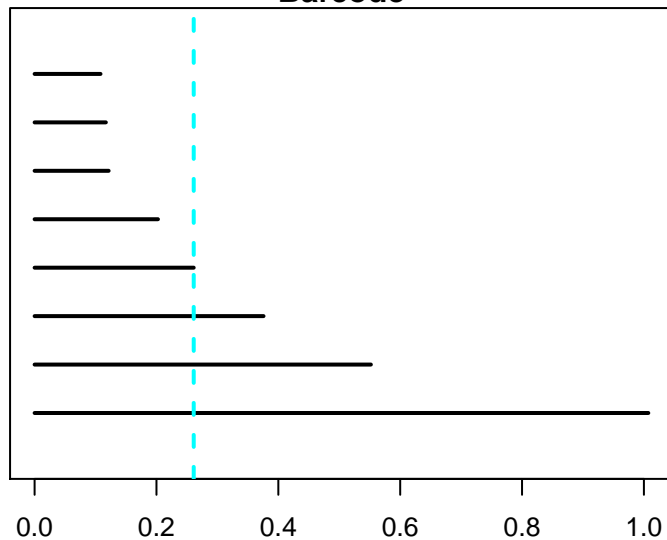
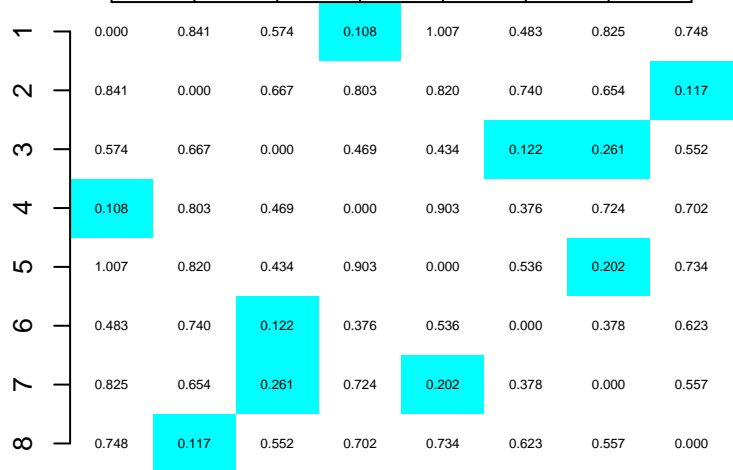
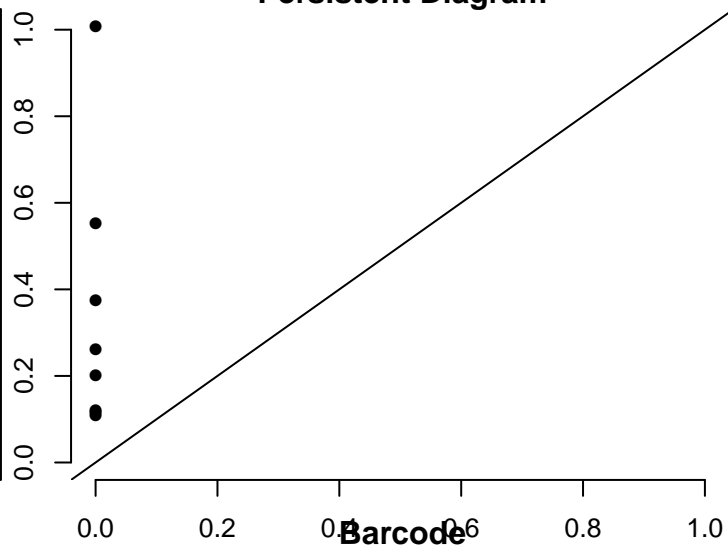


This is the 'Frame' at Euclidean distance = 0.261

N= 8

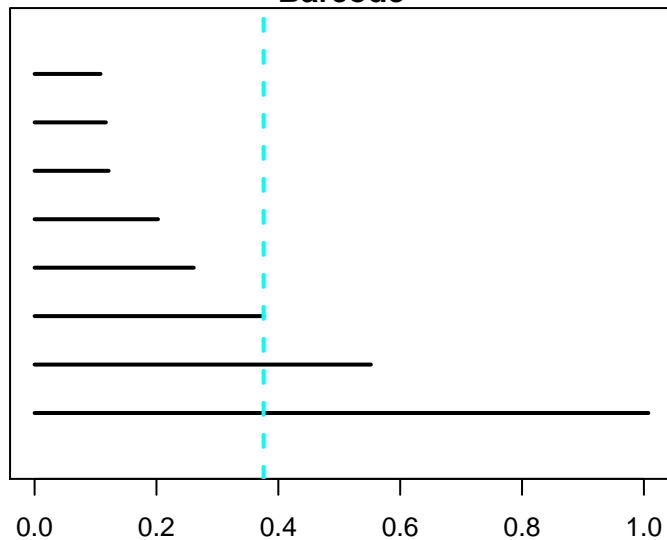
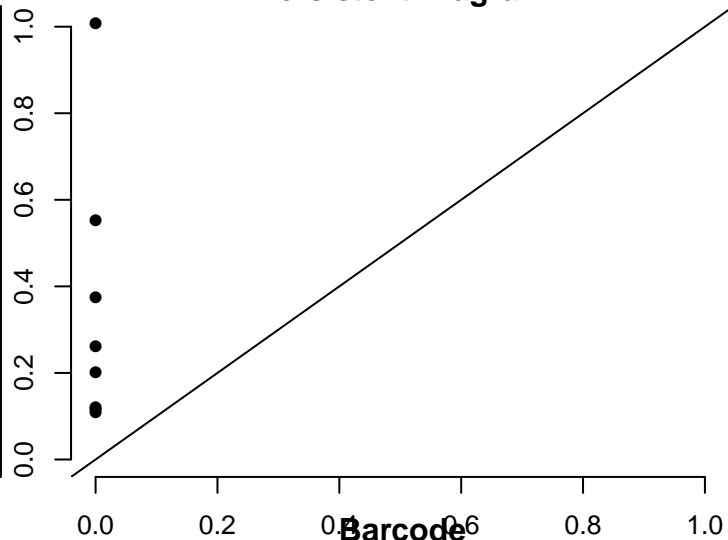
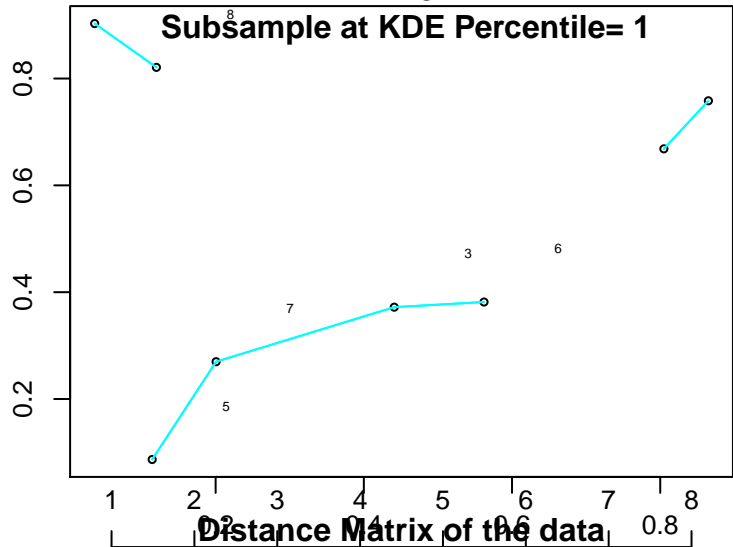


Persistent Diagram

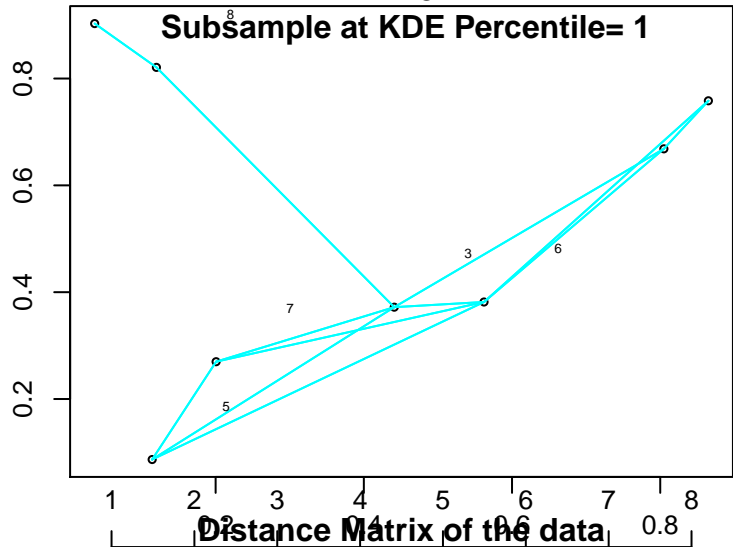


This is the 'Frame' at Euclidean distance = 0.376

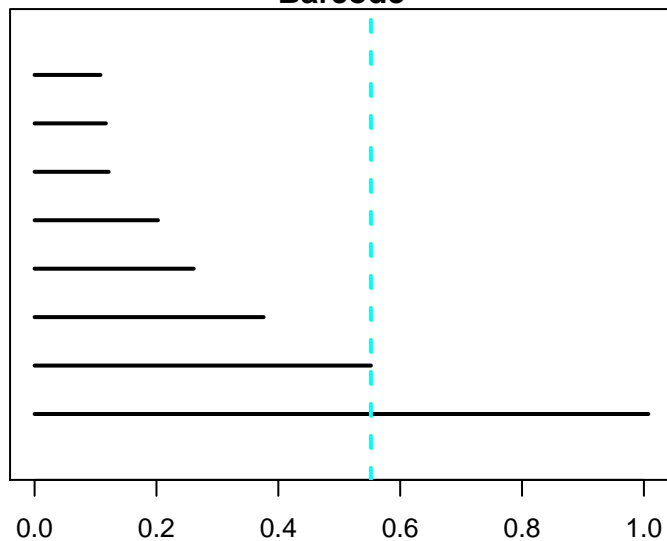
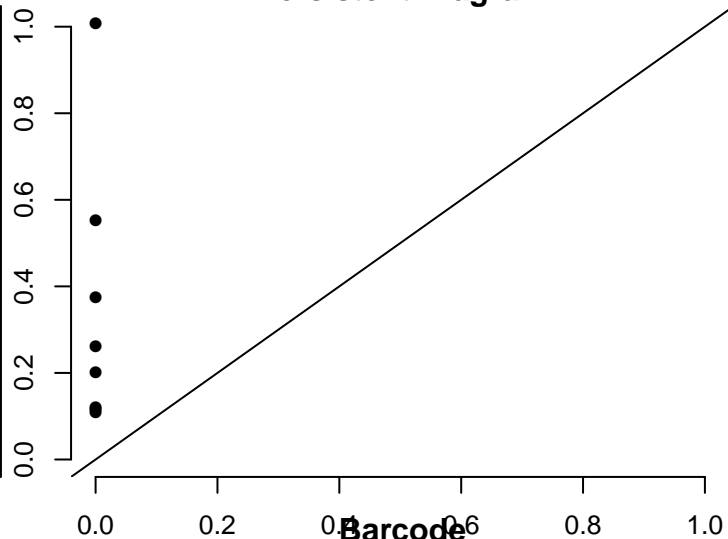
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.552



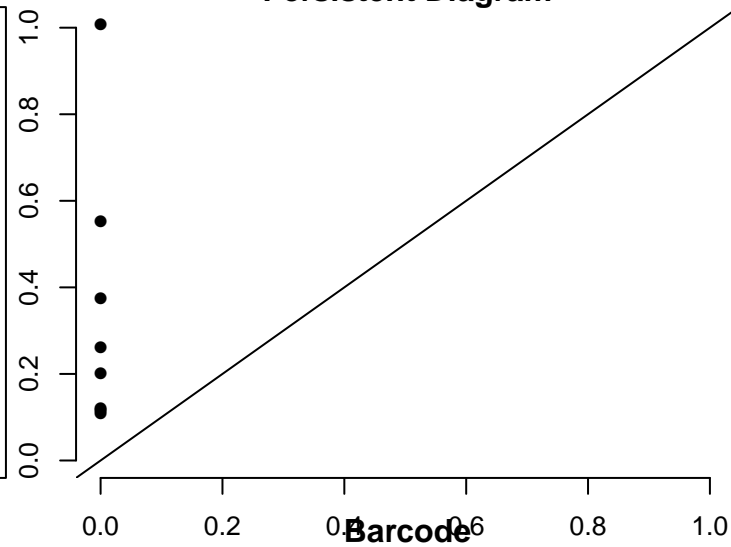
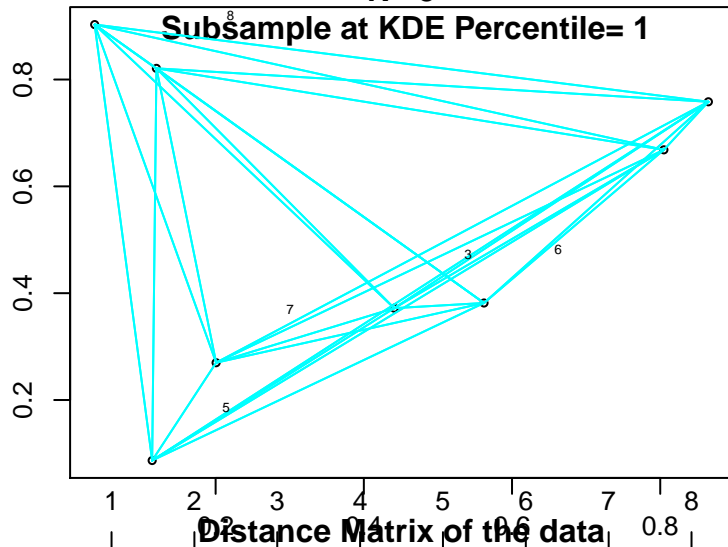
Persistent Diagram



This is the 'Frame' at Euclidean distance = 1.01

N= 8

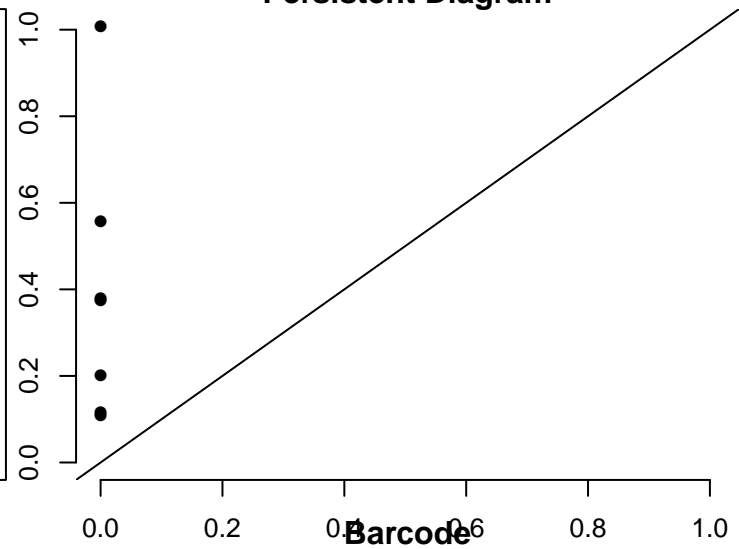
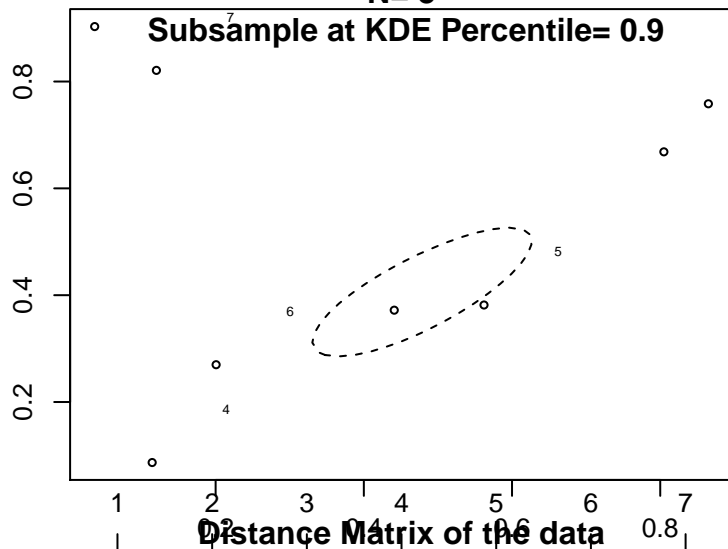
Persistent Diagram



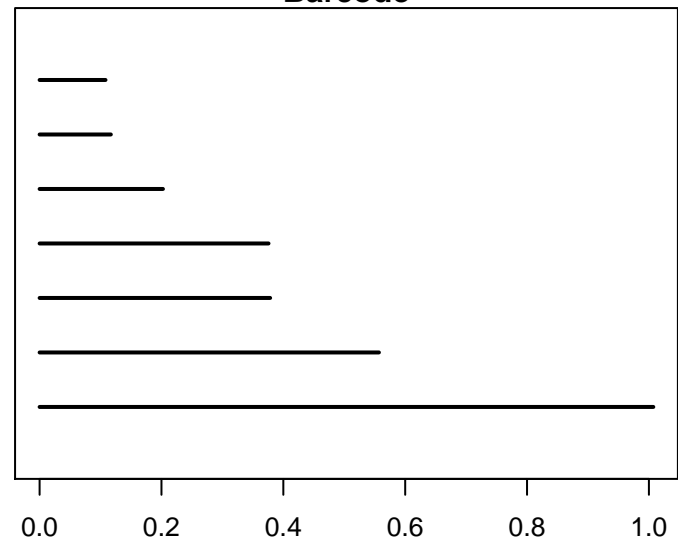
STATIONARY Matern inhibition process, percentile .9

N= 8

Persistent Diagram



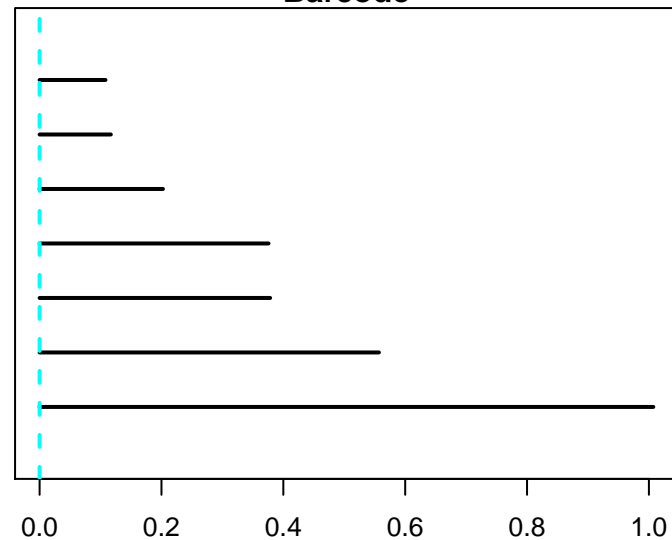
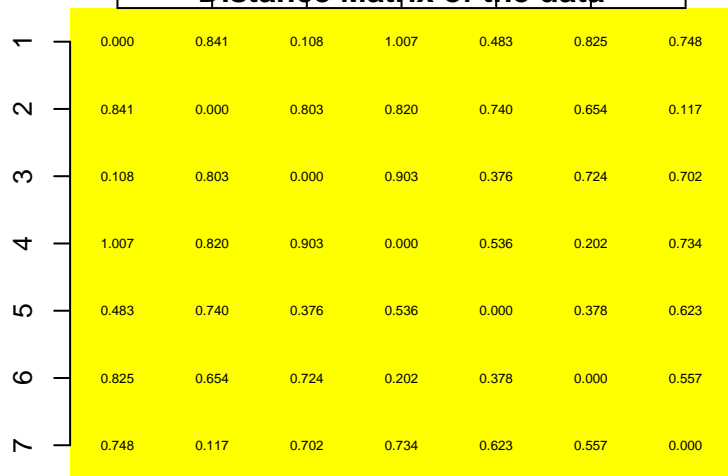
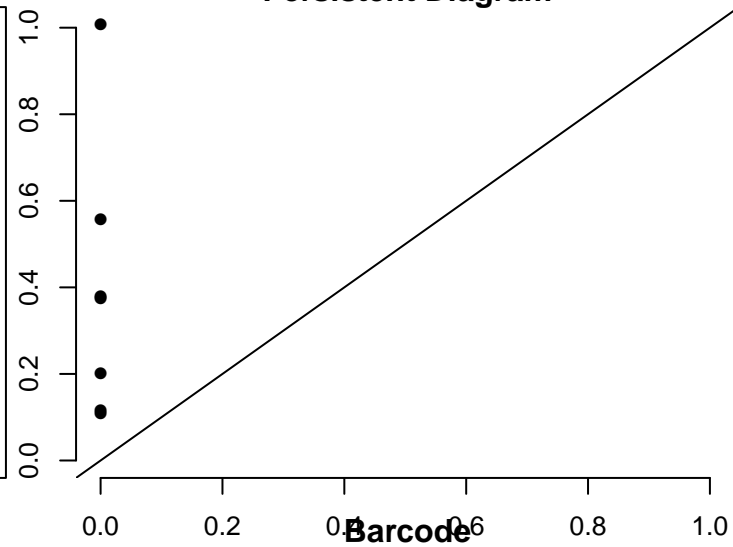
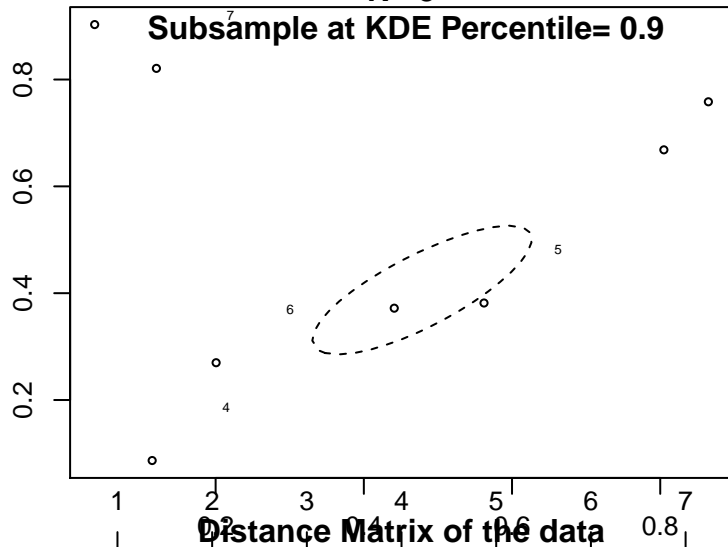
	1	2	3	4	5	6	7
1	0.000	0.841	0.108	1.007	0.483	0.825	0.748
2	0.841	0.000	0.803	0.820	0.740	0.654	0.117
3	0.108	0.803	0.000	0.903	0.376	0.724	0.702
4	1.007	0.820	0.903	0.000	0.536	0.202	0.734
5	0.483	0.740	0.376	0.536	0.000	0.378	0.623
6	0.825	0.654	0.724	0.202	0.378	0.000	0.557
7	0.748	0.117	0.702	0.734	0.623	0.557	0.000



This is the 'Frame' at Euclidean distance = 0

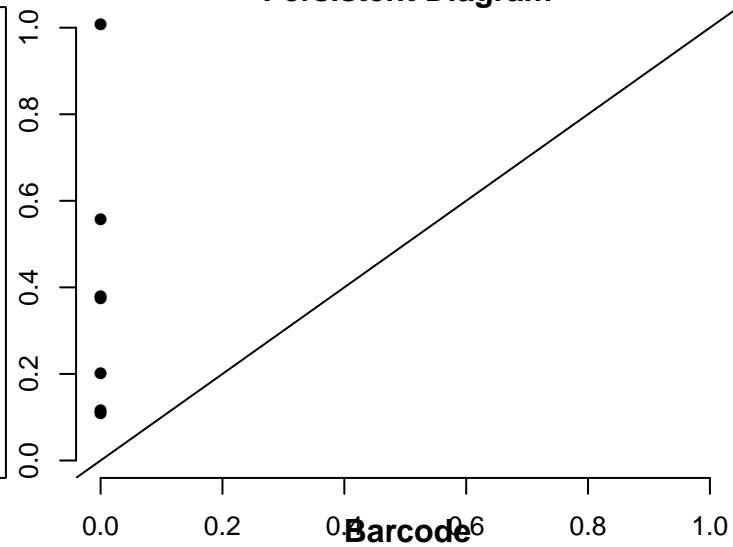
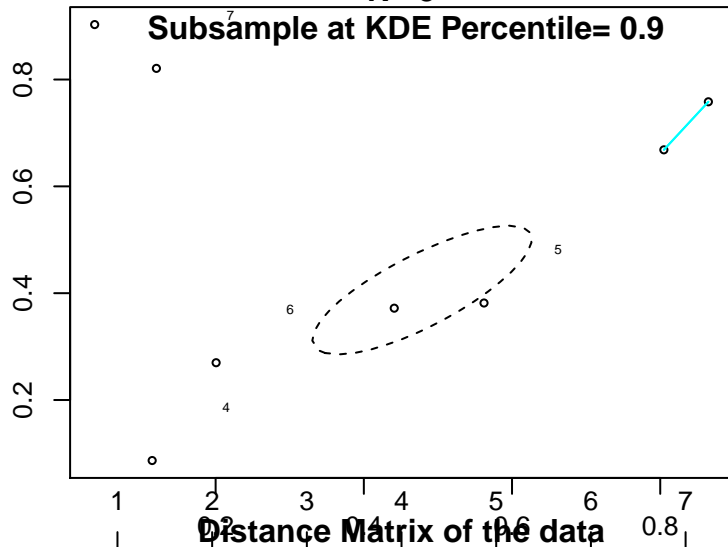
N= 8

Persistent Diagram



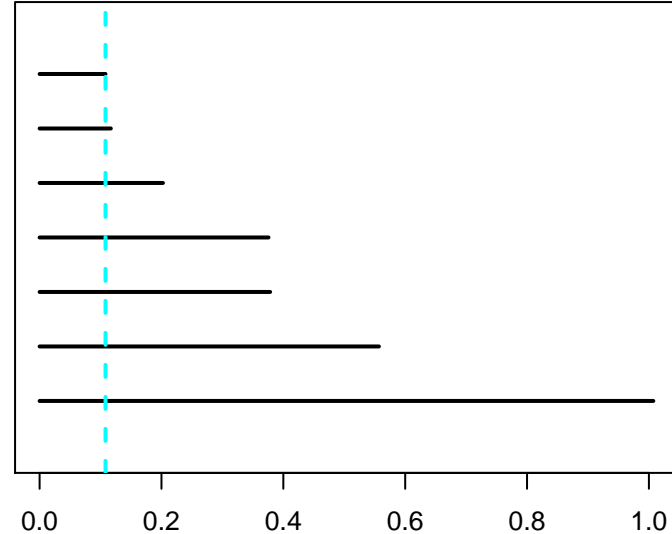
This is the 'Frame' at Euclidean distance = 0.108

N= 8



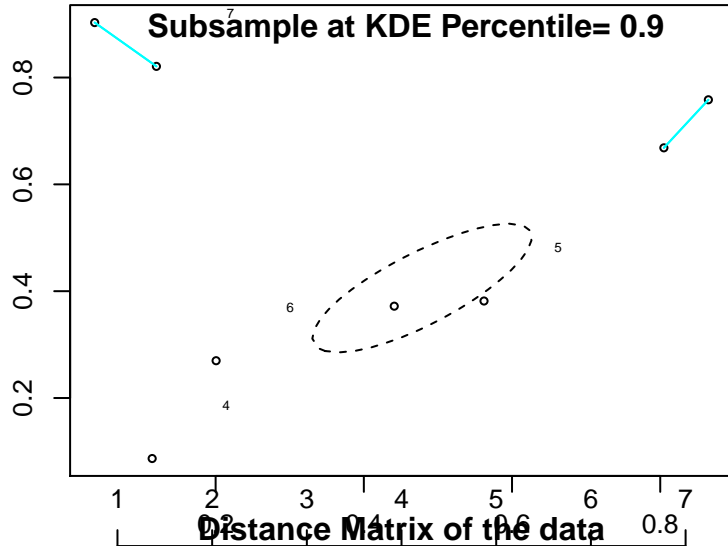
Distance Matrix of the data

1	0.000	0.841	0.108	1.007	0.483	0.825	0.748
2	0.841	0.000	0.803	0.820	0.740	0.654	0.117
3	0.108	0.803	0.000	0.903	0.376	0.724	0.702
4	1.007	0.820	0.903	0.000	0.536	0.202	0.734
5	0.483	0.740	0.376	0.536	0.000	0.378	0.623
6	0.825	0.654	0.724	0.202	0.378	0.000	0.557
7	0.748	0.117	0.702	0.734	0.623	0.557	0.000

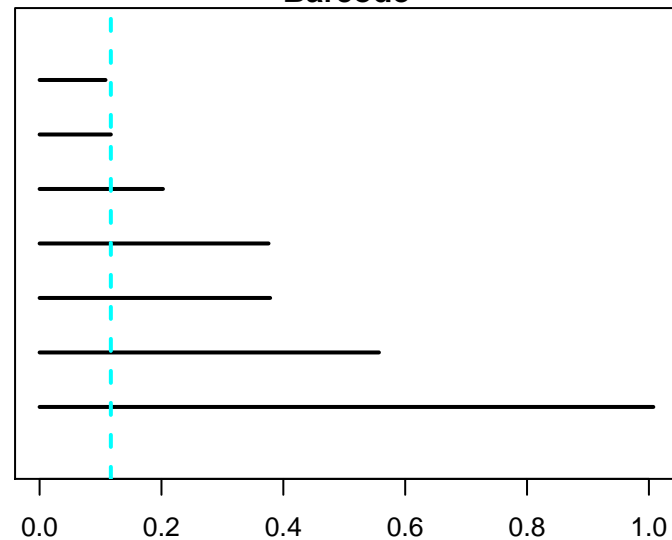
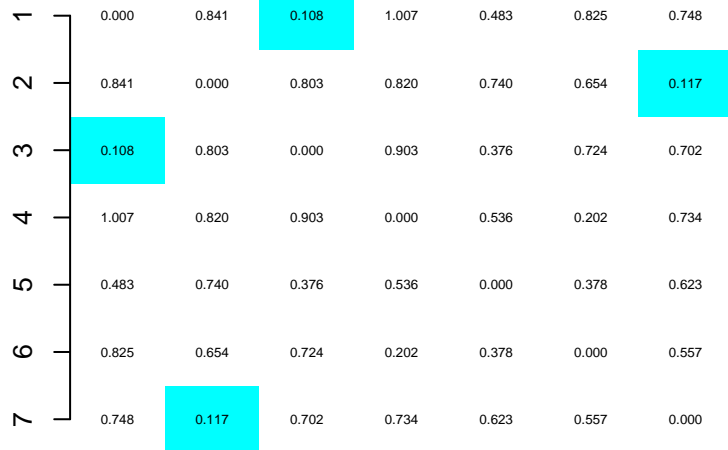
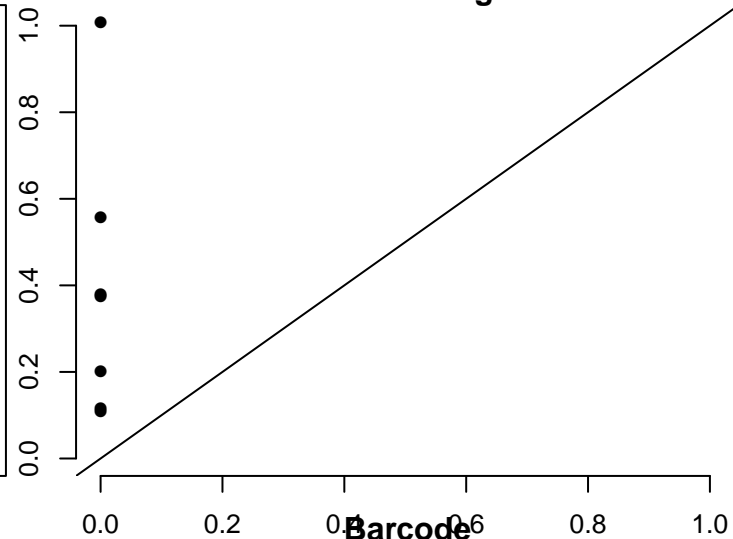


This is the 'Frame' at Euclidean distance = 0.117

N= 8

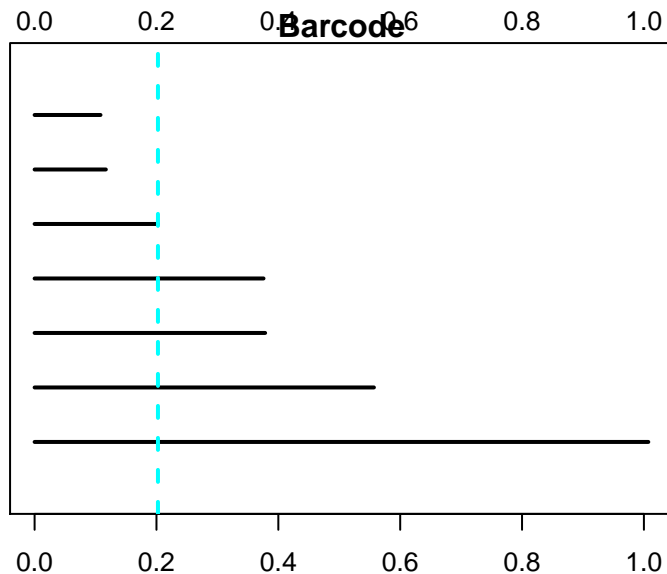
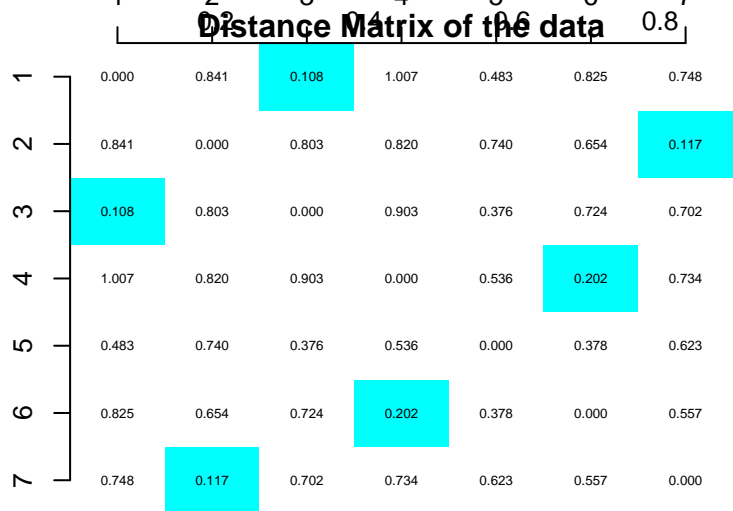
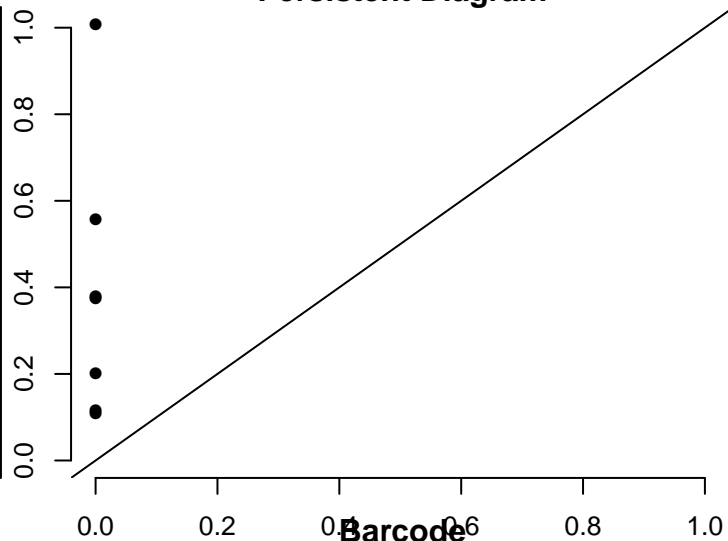
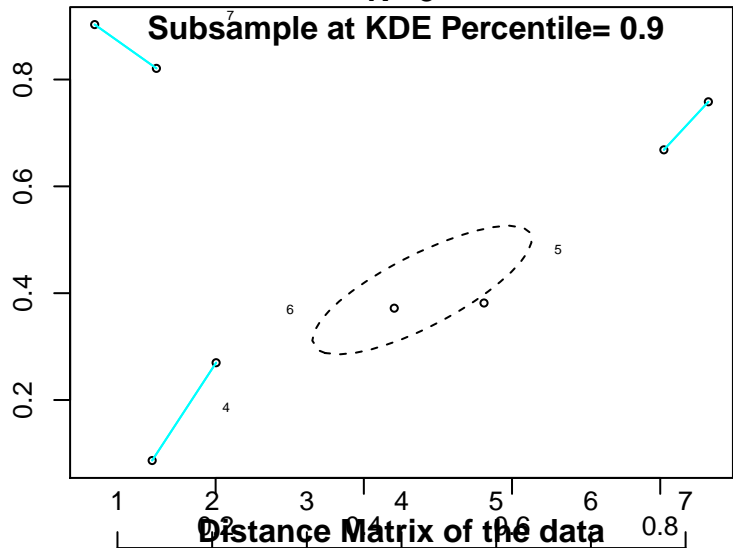


Persistent Diagram



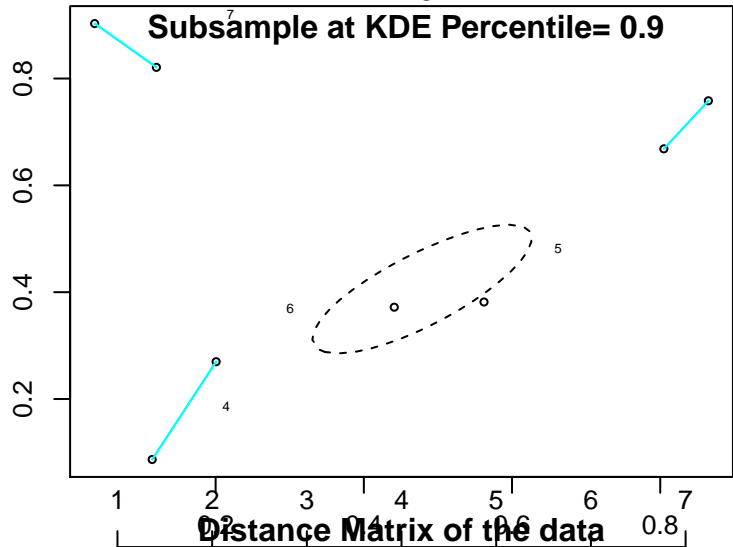
This is the 'Frame' at Euclidean distance = 0.202

N= 8

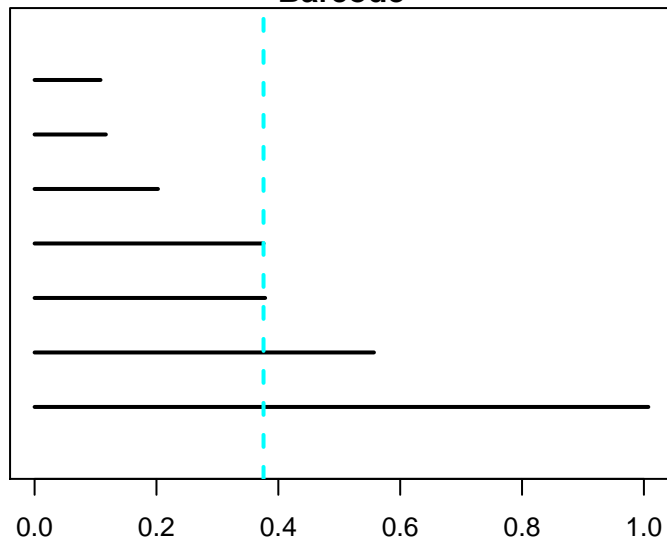
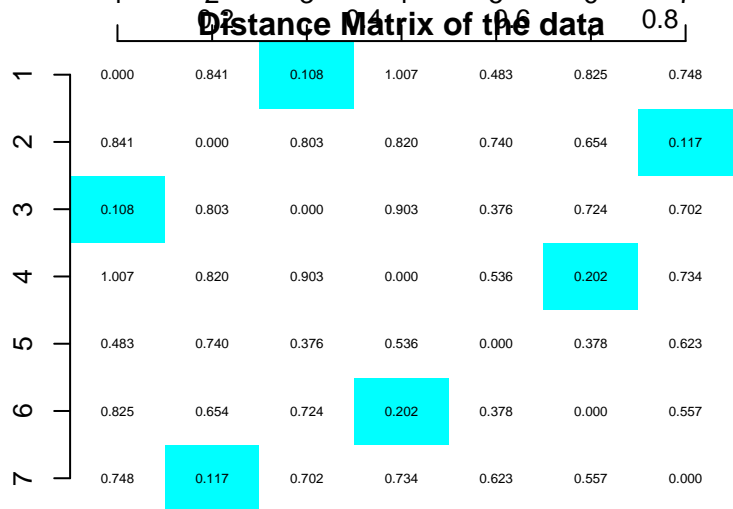
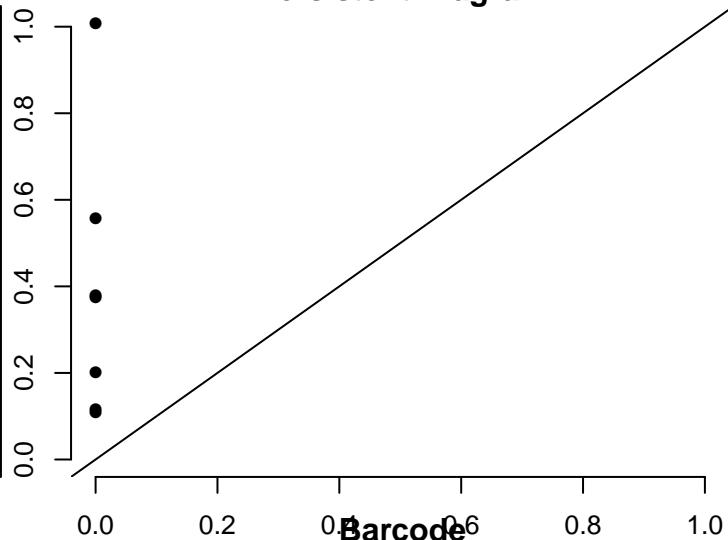


This is the 'Frame' at Euclidean distance = 0.376

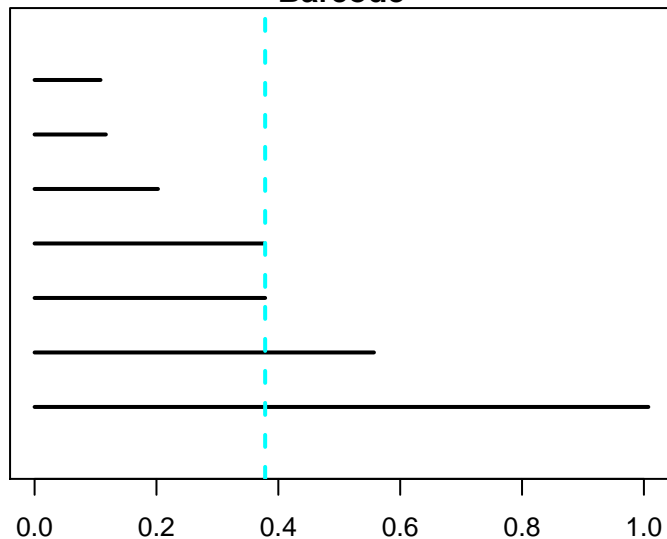
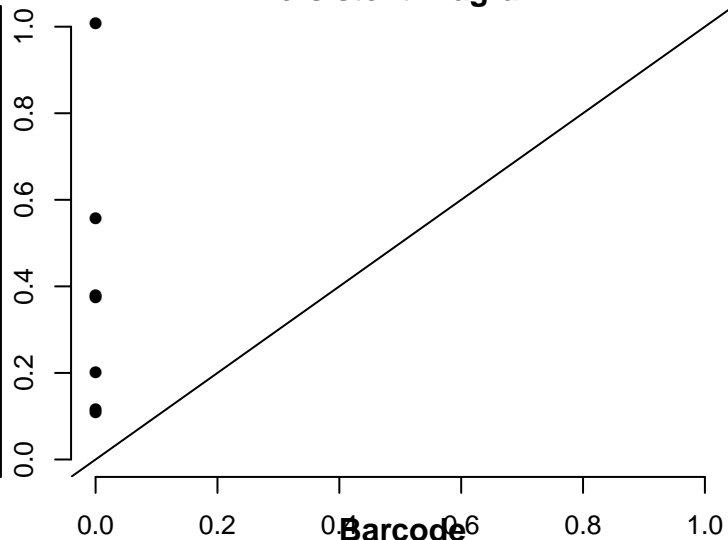
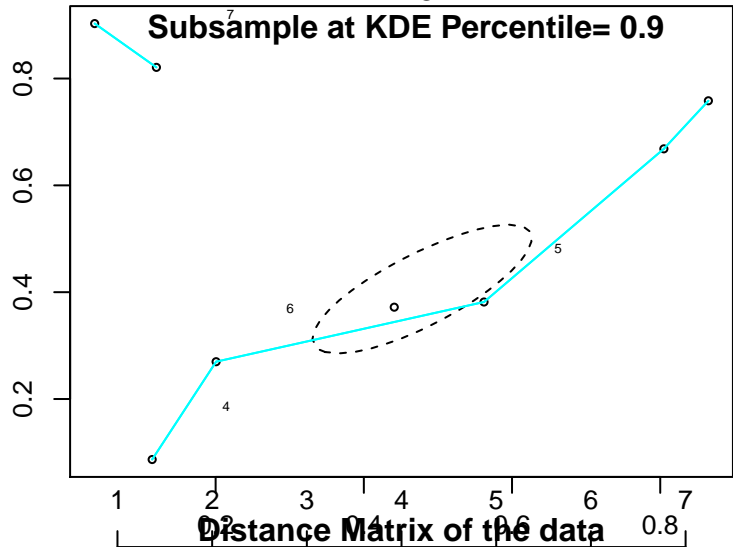
N= 8



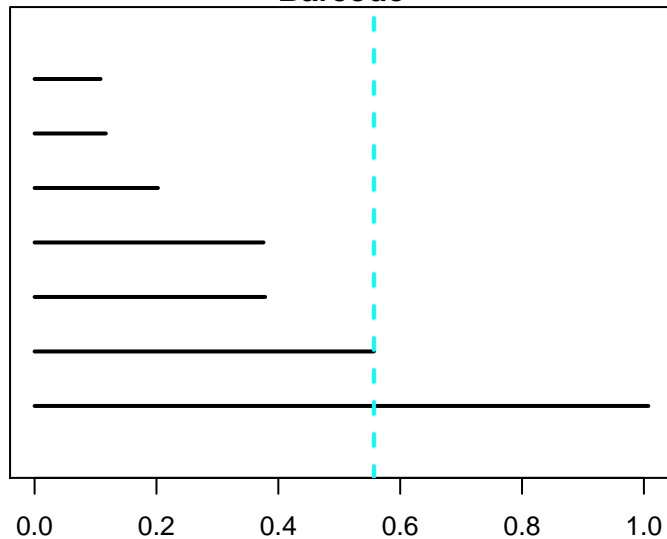
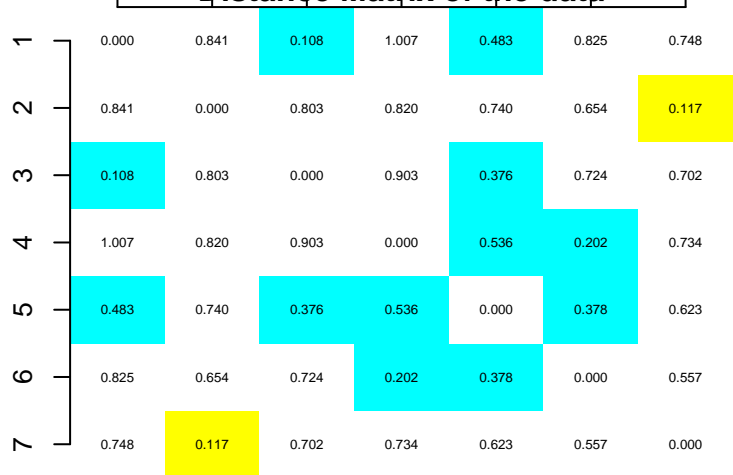
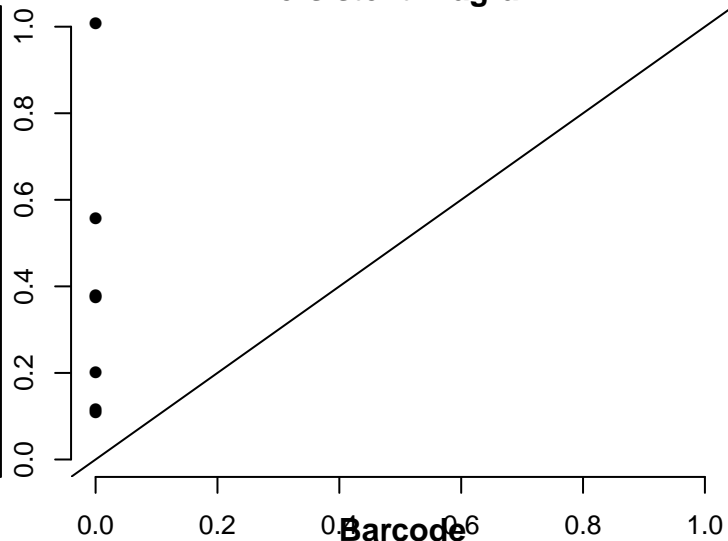
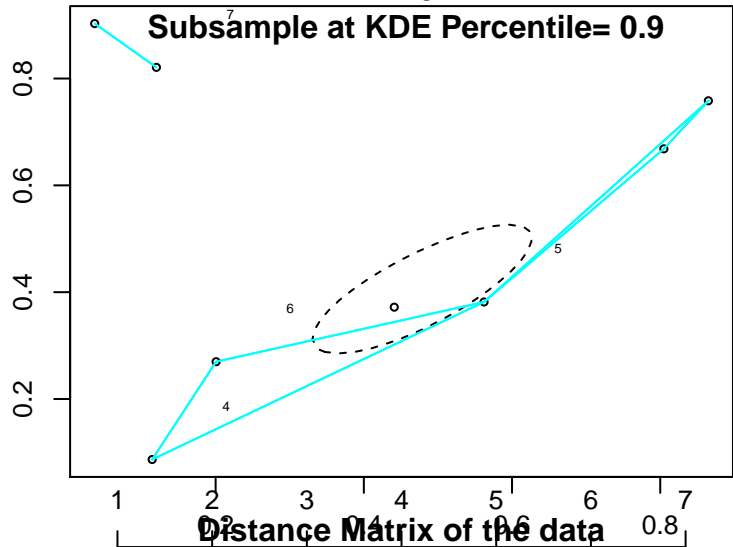
Persistent Diagram



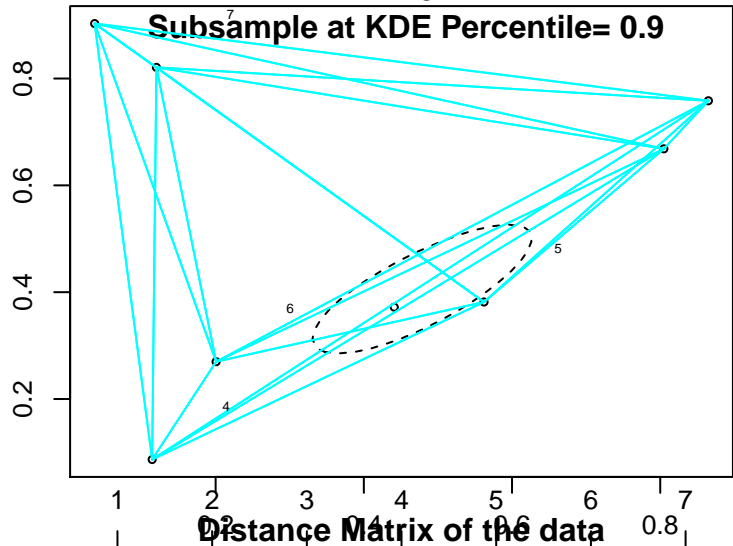
This is the 'Frame' at Euclidean distance = 0.378



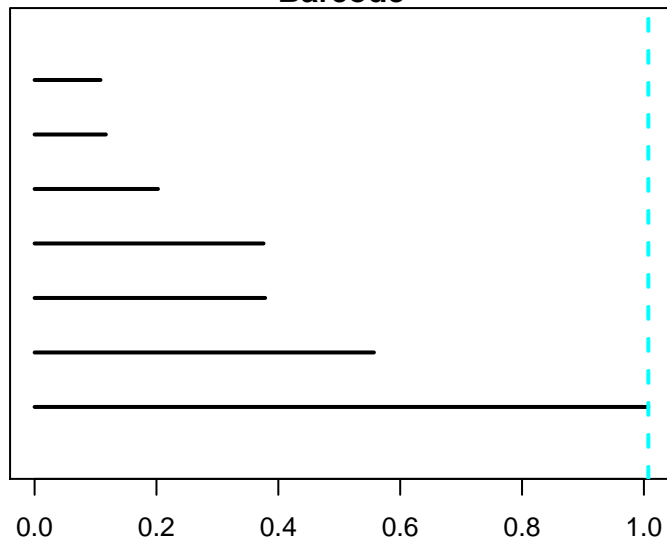
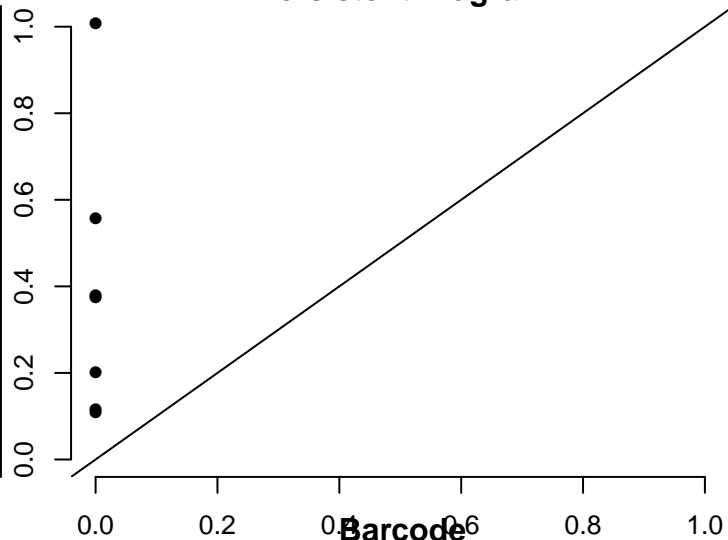
This is the 'Frame' at Euclidean distance = 0.557



This is the 'Frame' at Euclidean distance = 1.01



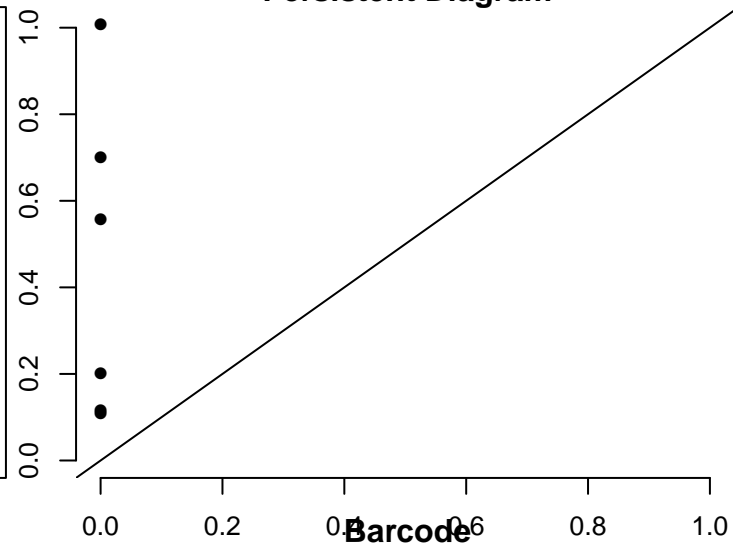
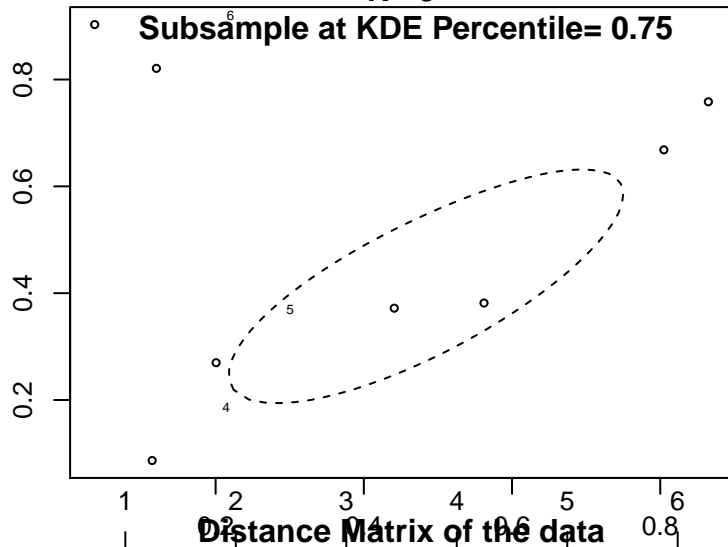
Persistent Diagram



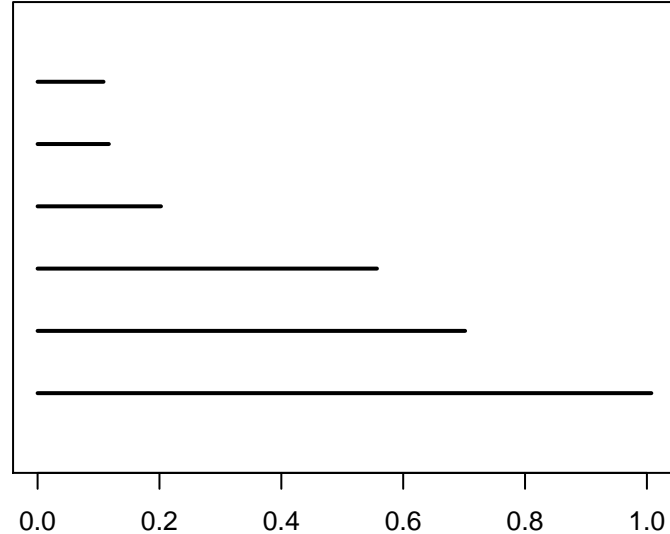
STATIONARY Matern inhibition process, percentile .75

N= 8

Persistent Diagram



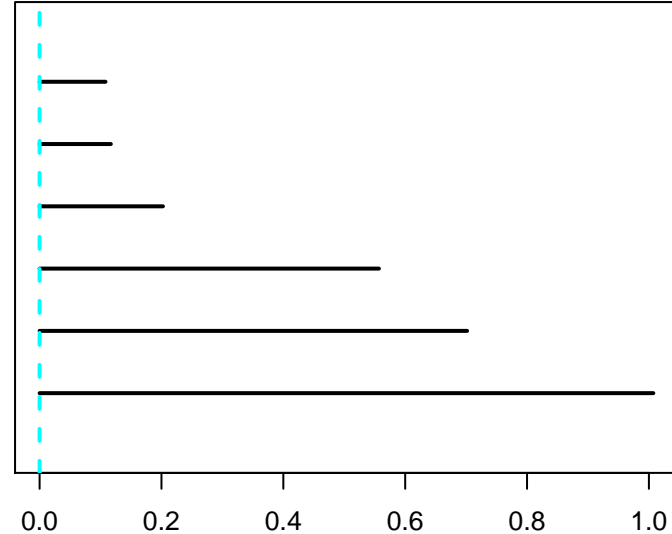
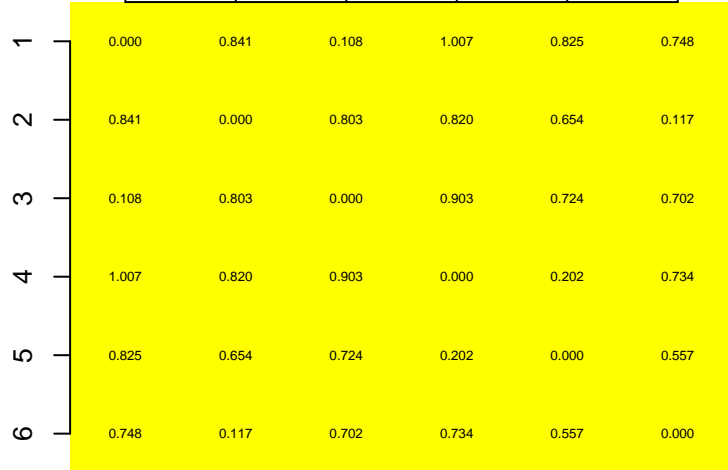
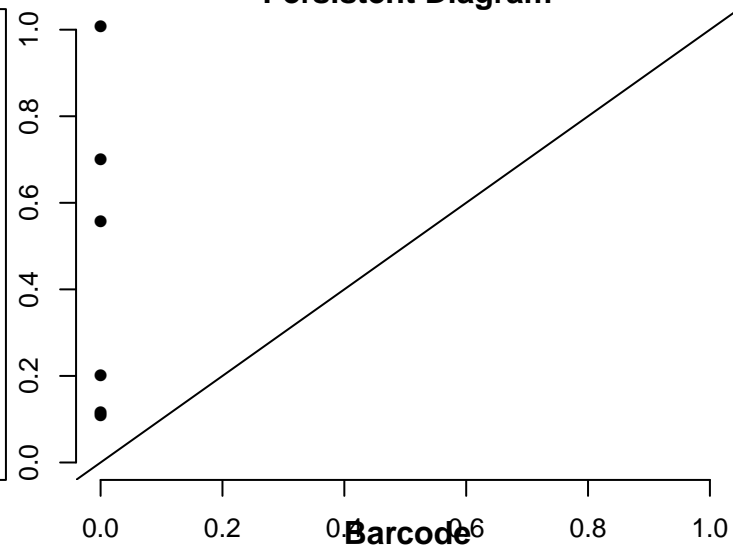
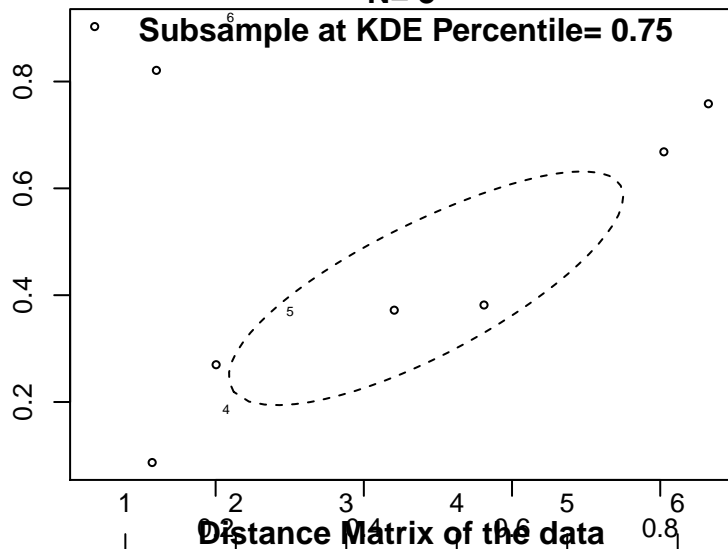
1	0.000	0.841	0.108	1.007	0.825	0.748
2	0.841	0.000	0.803	0.820	0.654	0.117
3	0.108	0.803	0.000	0.903	0.724	0.702
4	1.007	0.820	0.903	0.000	0.202	0.734
5	0.825	0.654	0.724	0.202	0.000	0.557
6	0.748	0.117	0.702	0.734	0.557	0.000



This is the 'Frame' at Euclidean distance = 0

N= 8

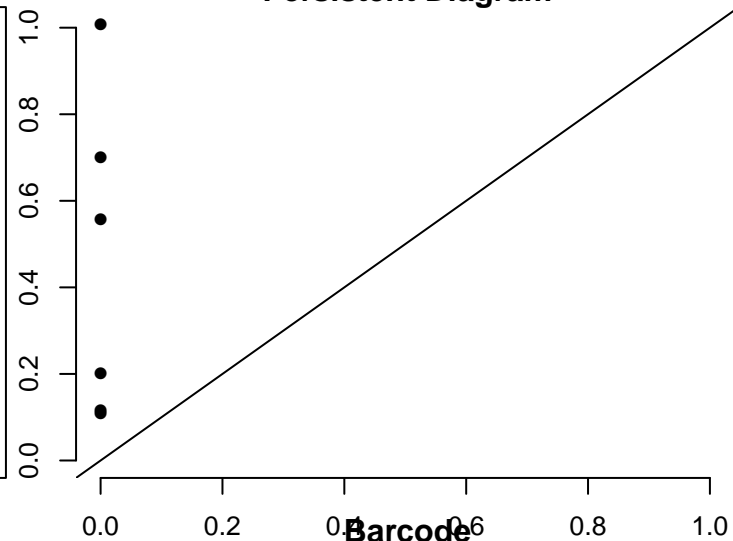
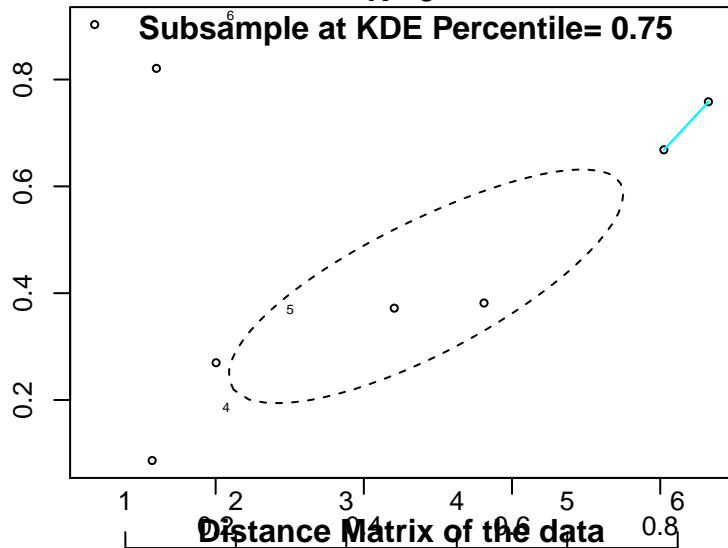
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0.108

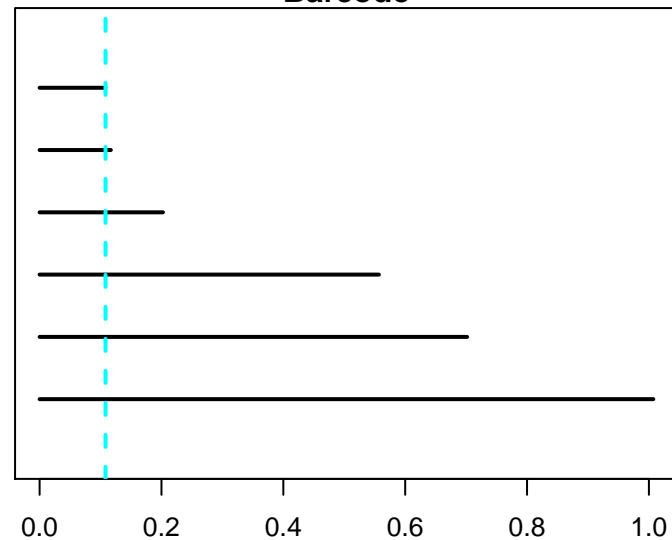
N= 8

Persistent Diagram



Distance Matrix of the data

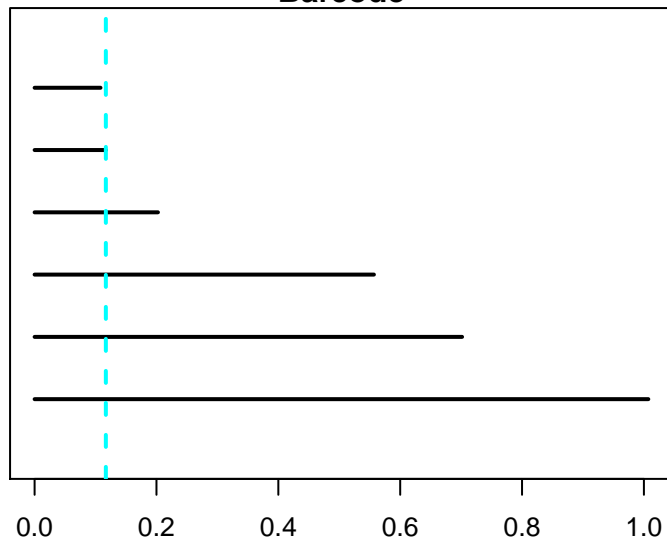
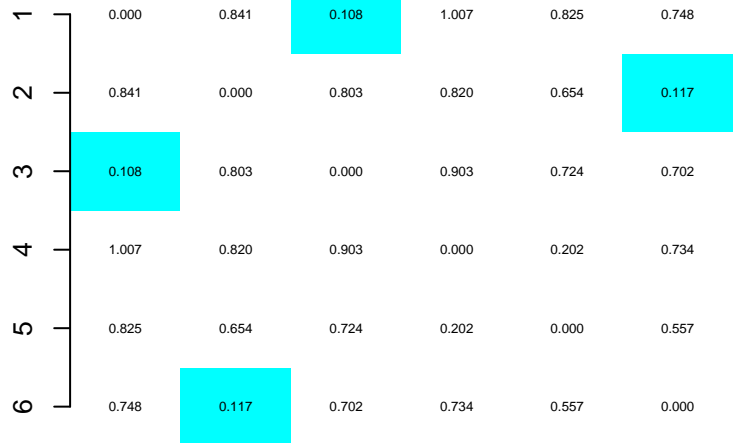
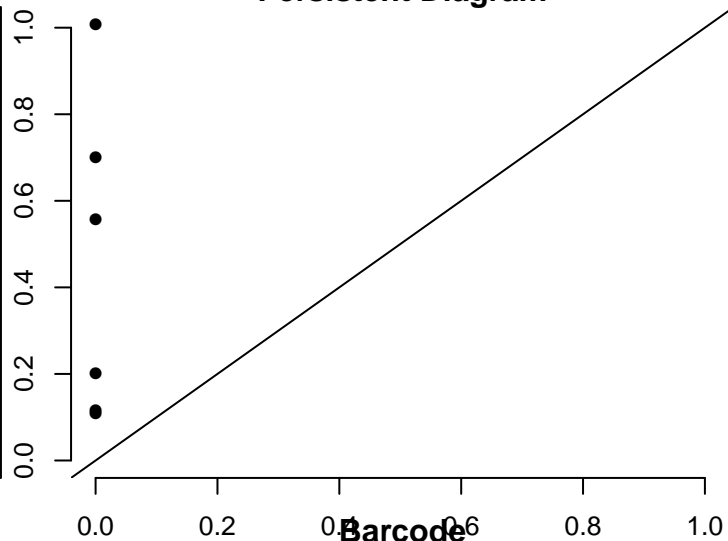
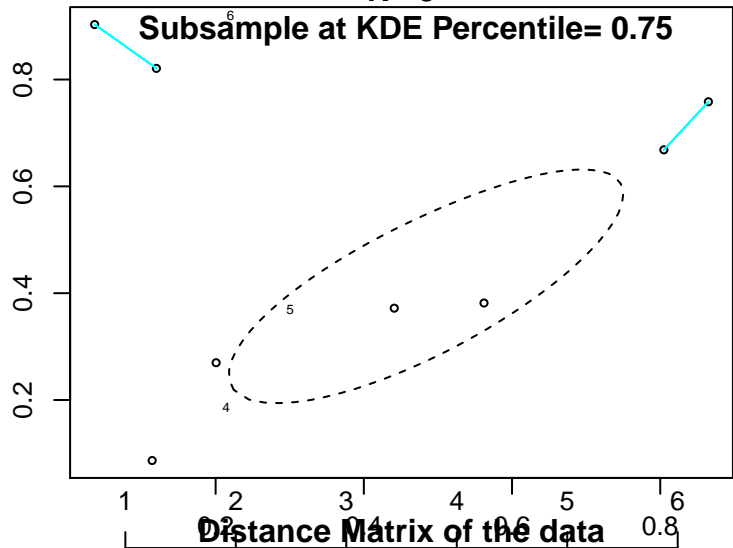
1	0.000	0.841	0.108	1.007	0.825	0.748
2	0.841	0.000	0.803	0.820	0.654	0.117
3	0.108	0.803	0.000	0.903	0.724	0.702
4	1.007	0.820	0.903	0.000	0.202	0.734
5	0.825	0.654	0.724	0.202	0.000	0.557
6	0.748	0.117	0.702	0.734	0.557	0.000



This is the 'Frame' at Euclidean distance = 0.117

N= 8

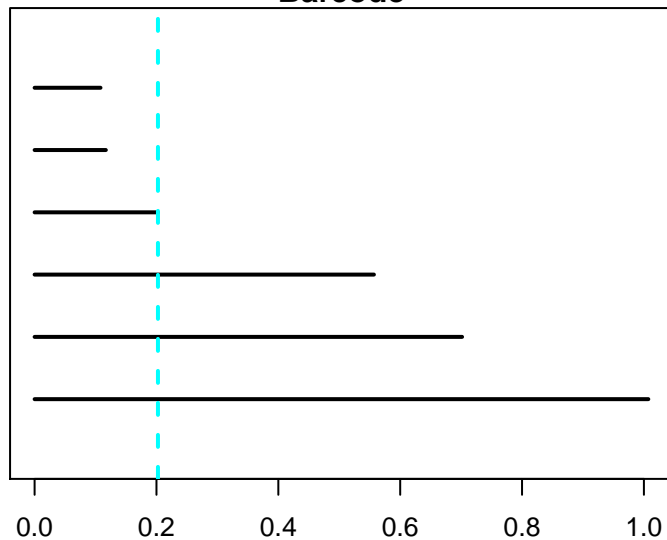
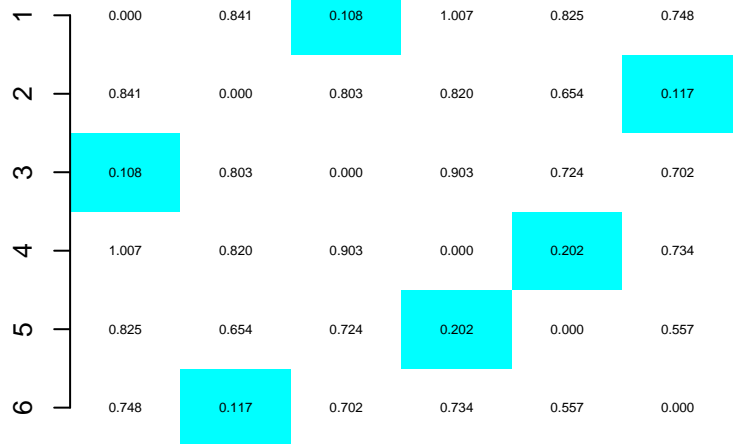
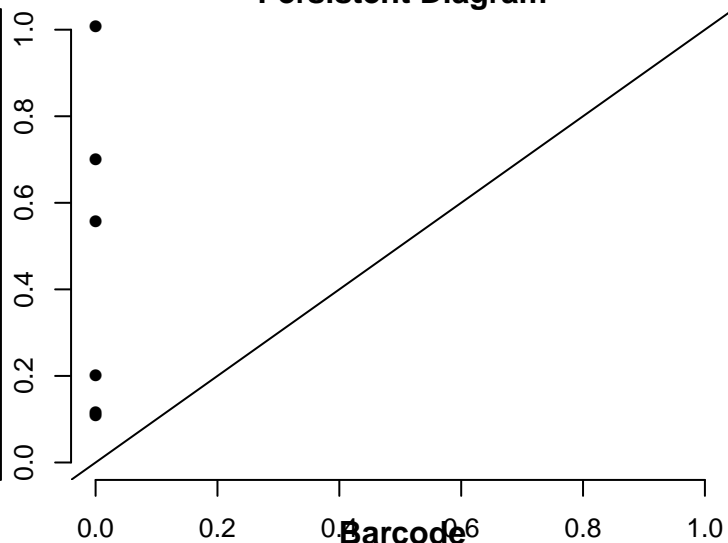
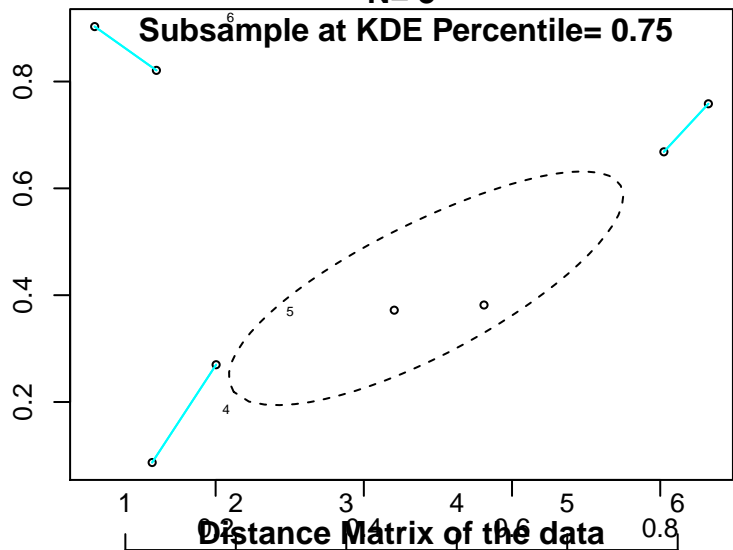
Persistent Diagram



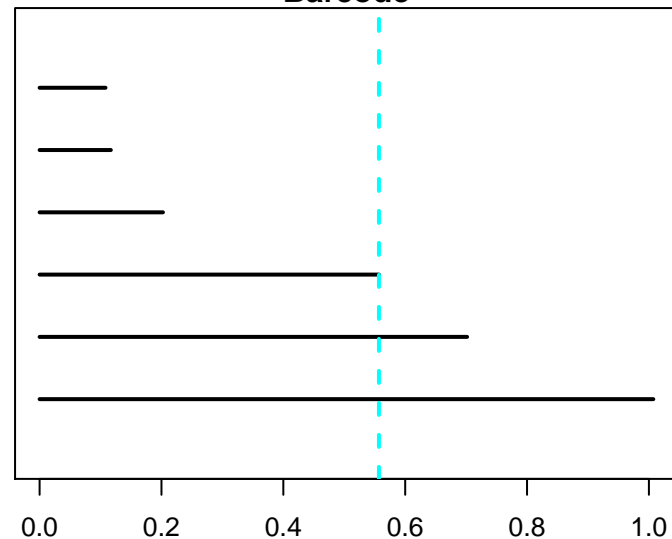
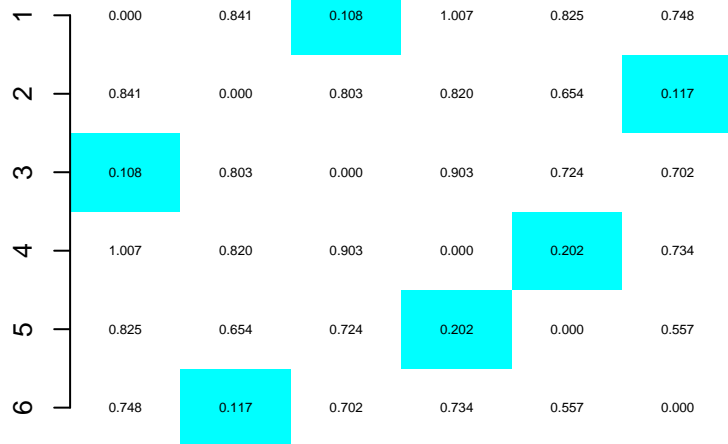
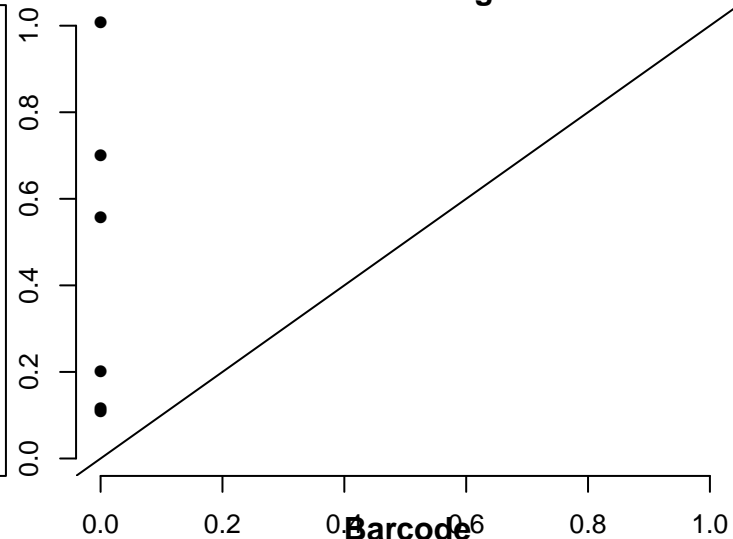
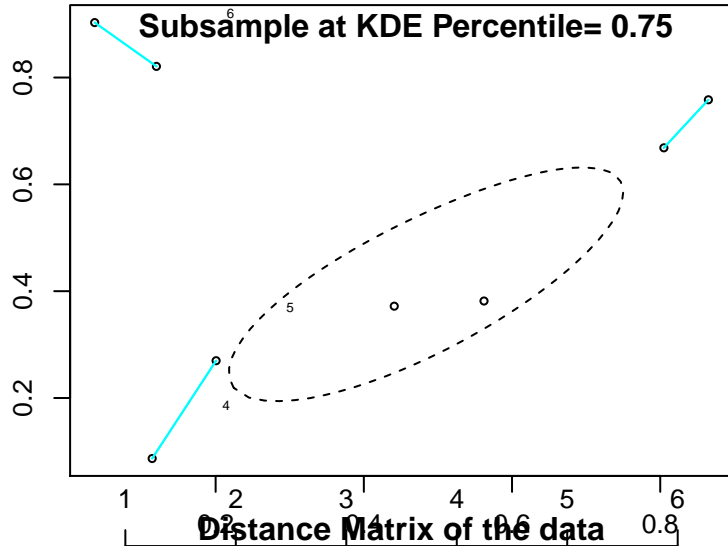
This is the 'Frame' at Euclidean distance = 0.202

N= 8

Persistent Diagram



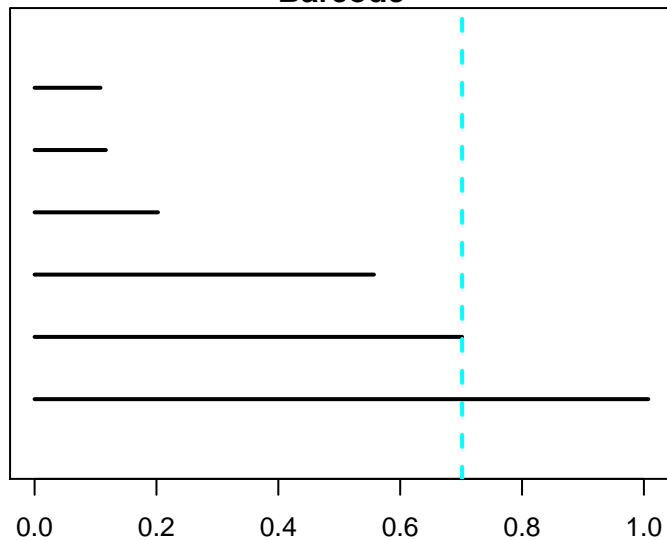
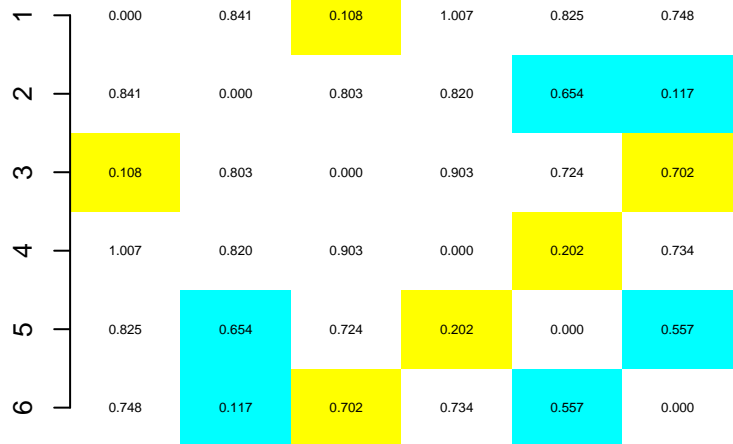
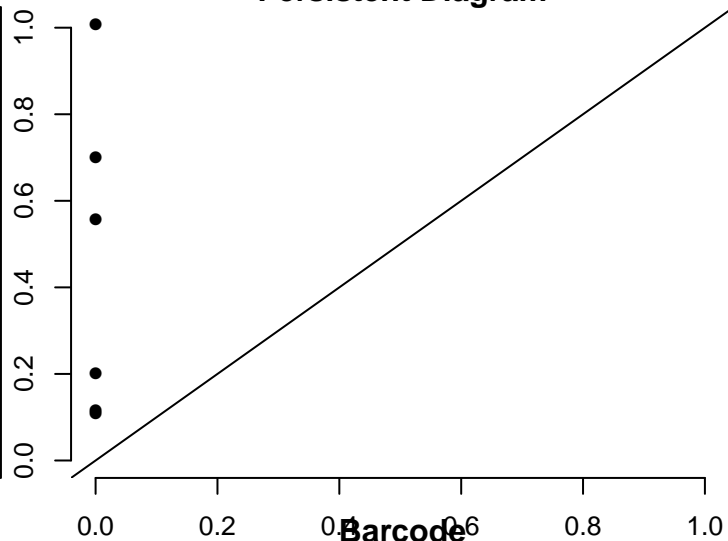
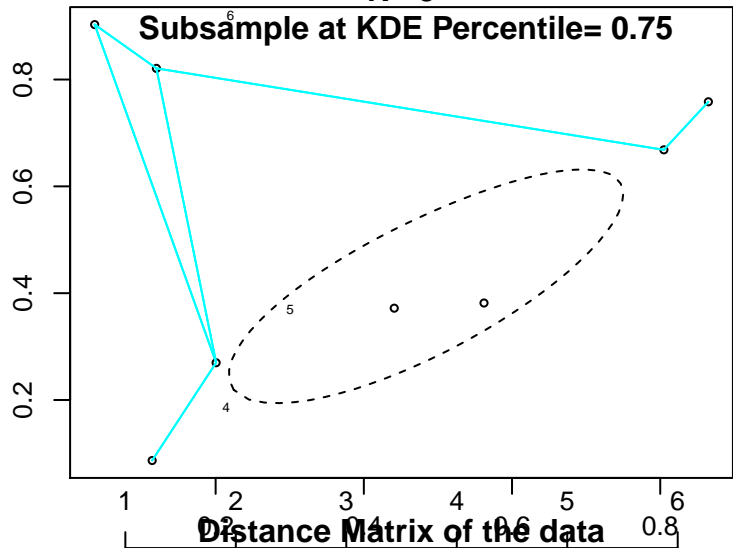
This is the 'Frame' at Euclidean distance = 0.557



This is the 'Frame' at Euclidean distance = 0.702

N= 8

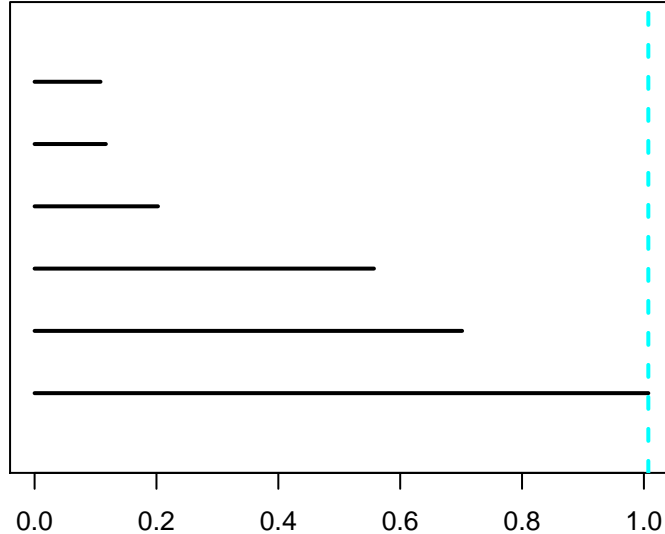
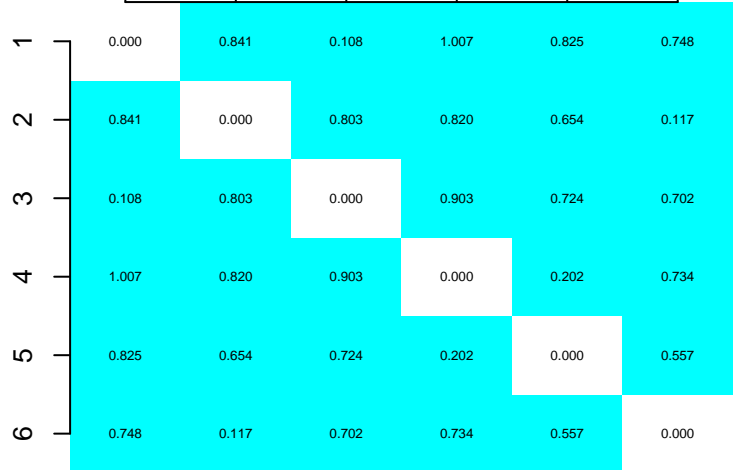
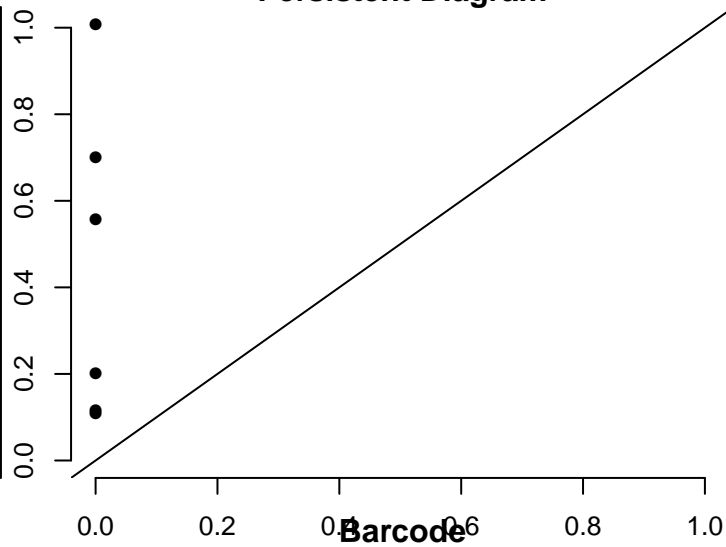
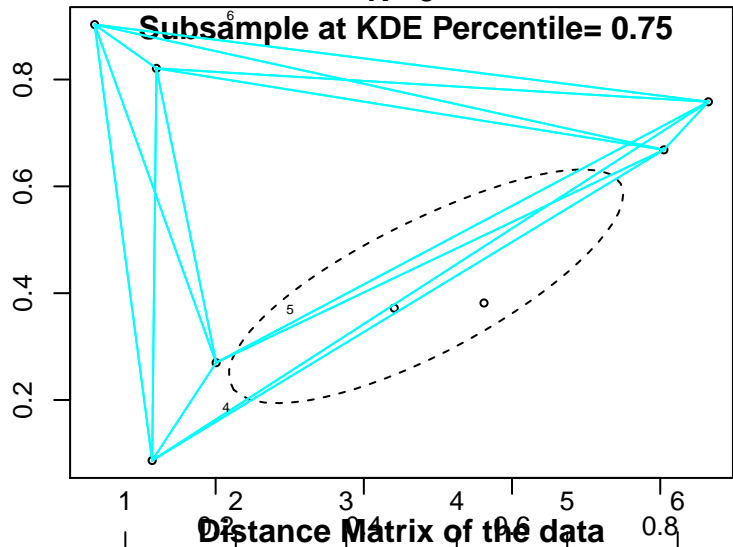
Persistent Diagram



This is the 'Frame' at Euclidean distance = 1.01

N= 8

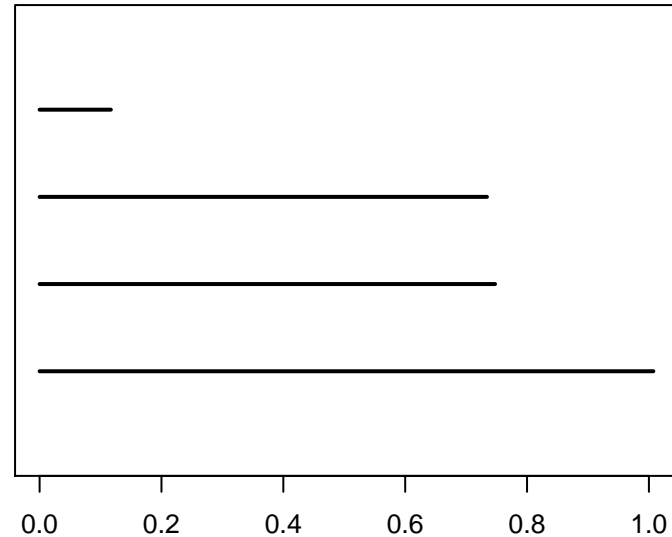
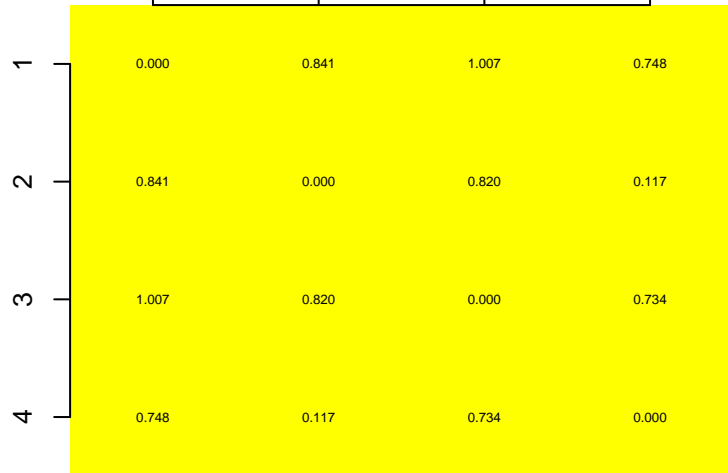
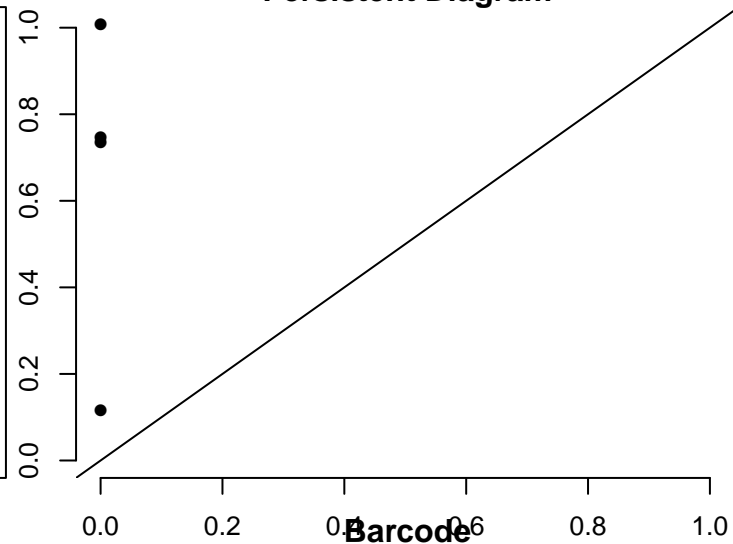
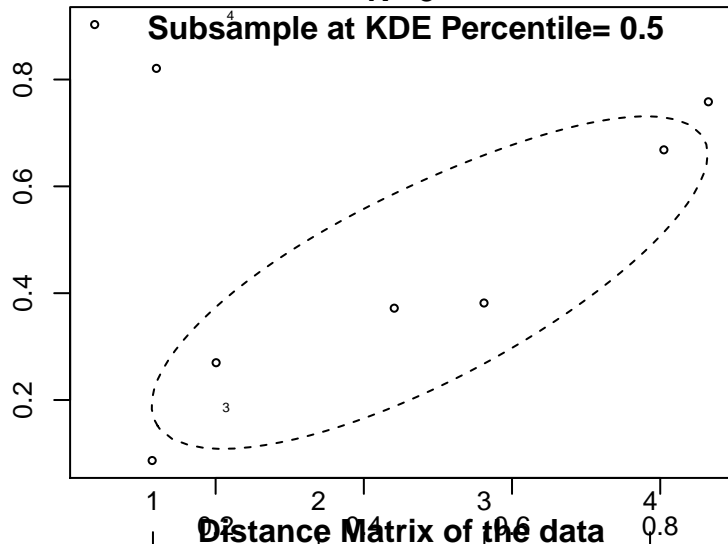
Persistent Diagram



STATIONARY Matern inhibition process, percentile .5

N= 8

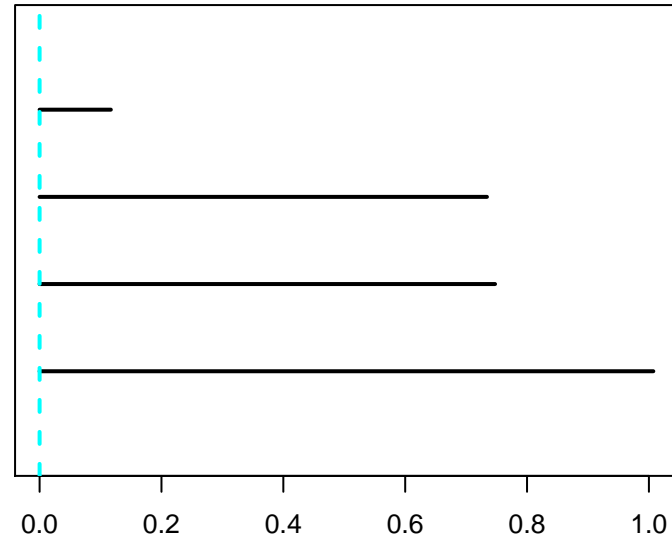
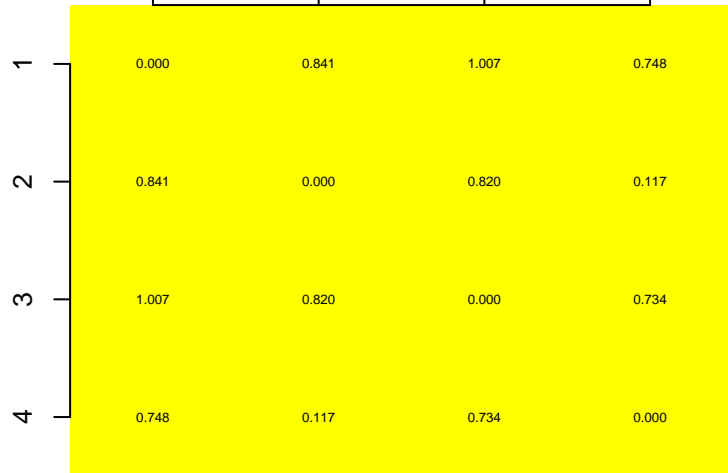
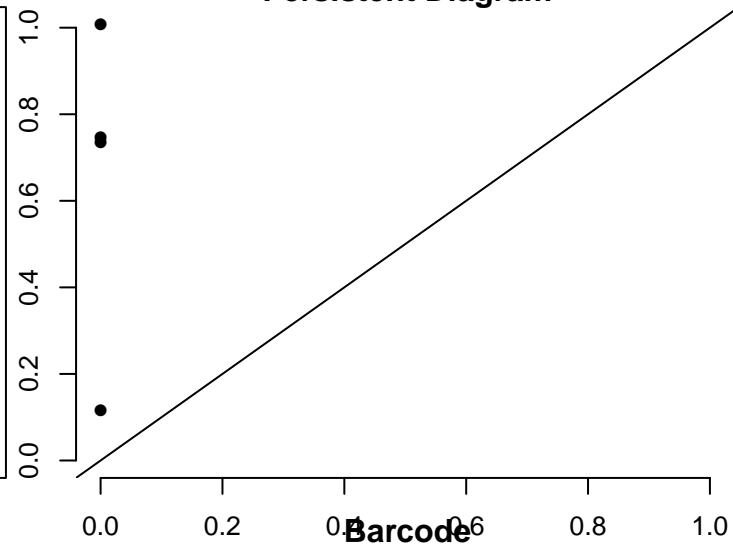
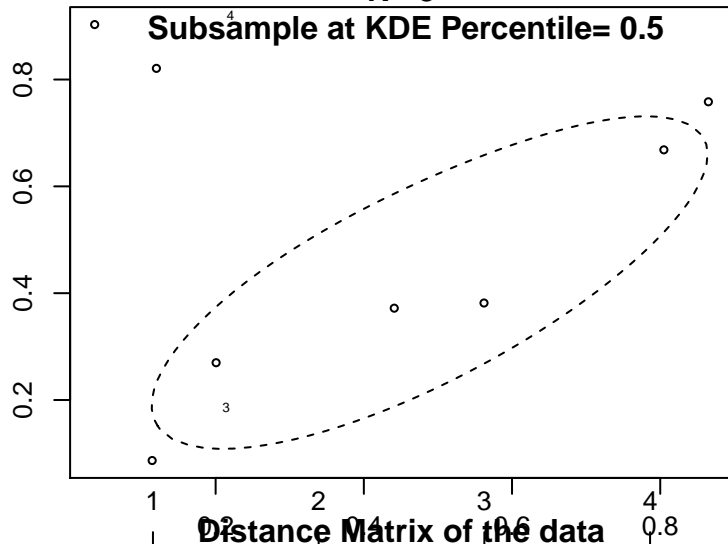
Persistent Diagram



This is the 'Frame' at Euclidean distance = 0

N= 8

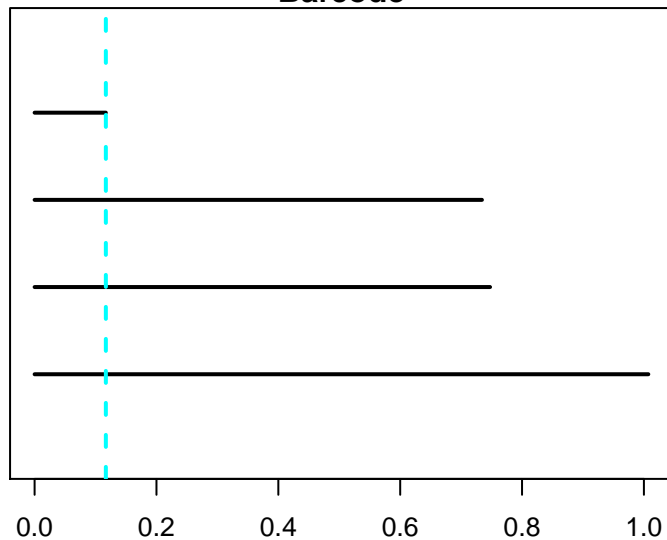
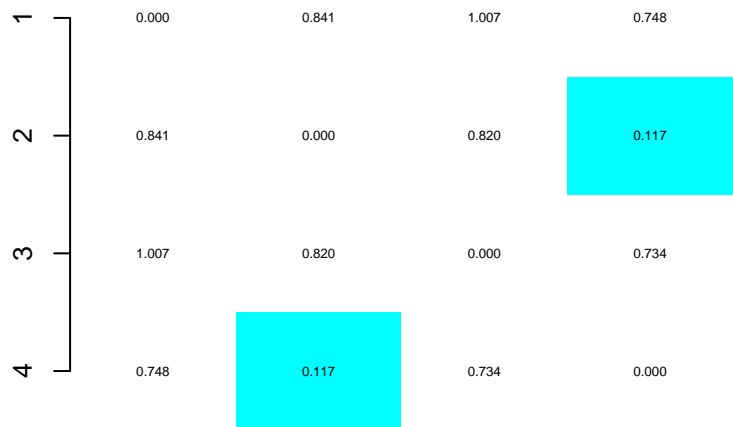
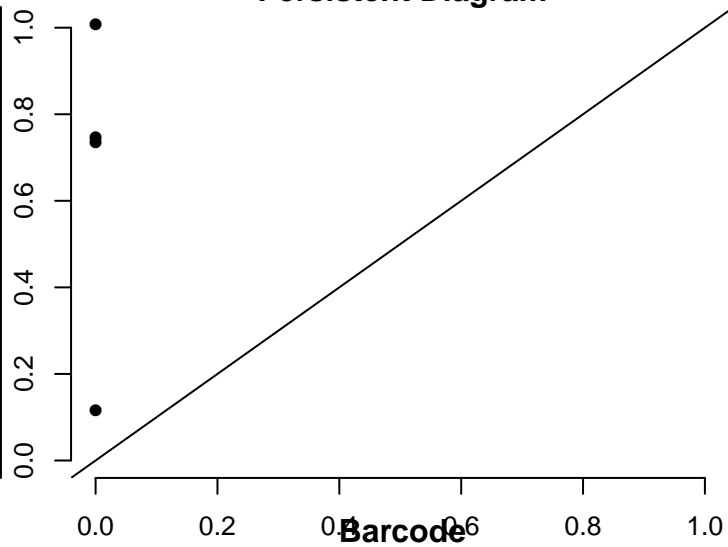
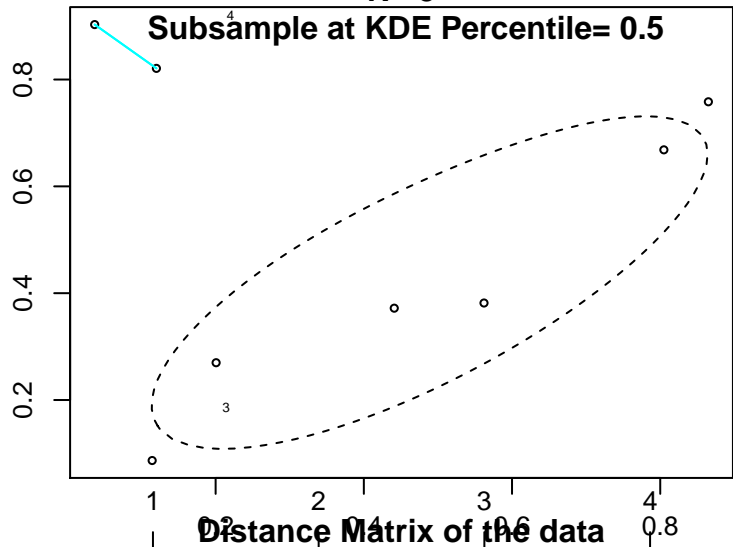
Persistent Diagram



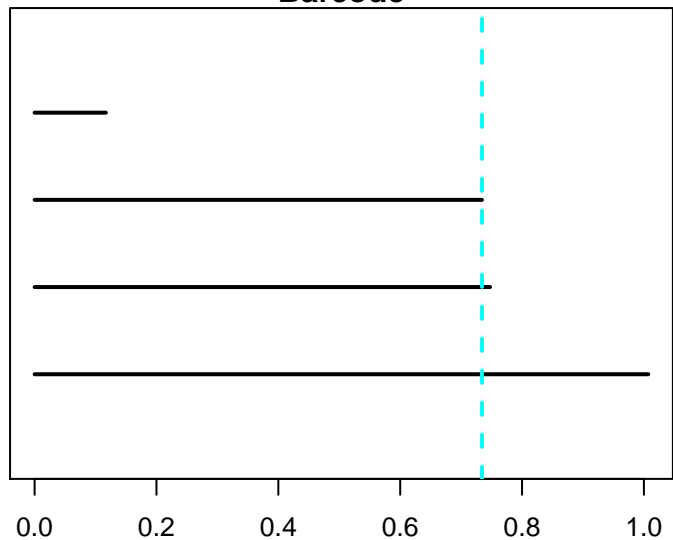
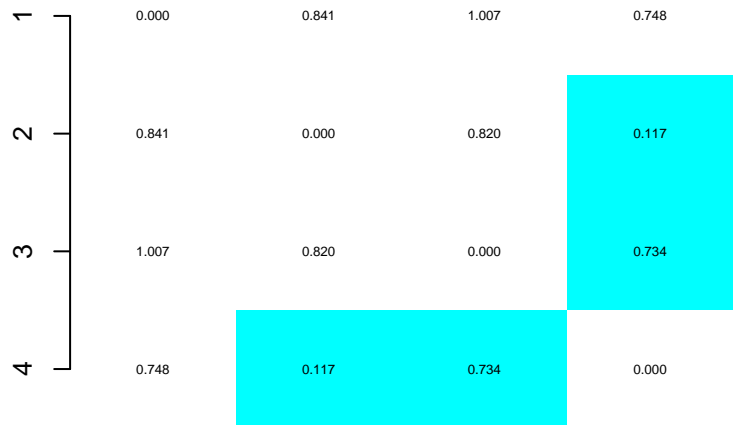
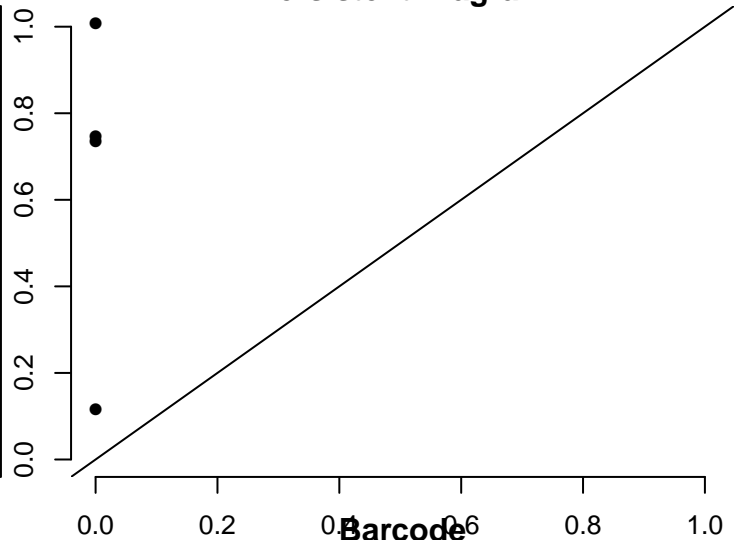
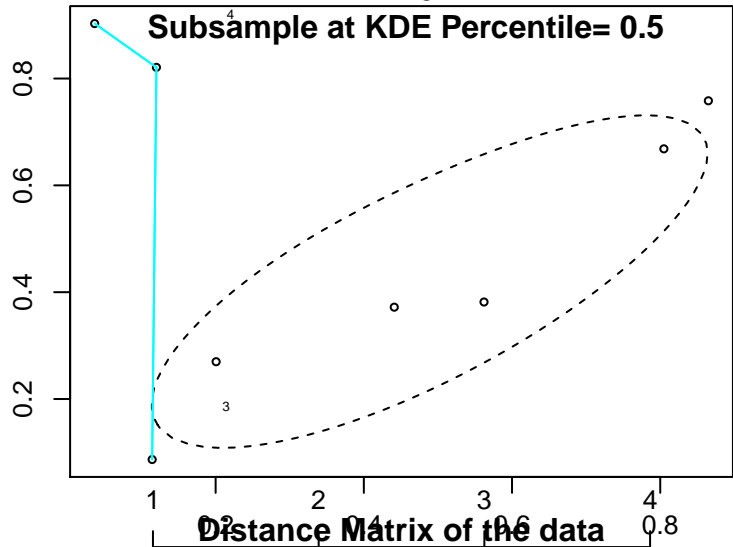
This is the 'Frame' at Euclidean distance = 0.117

N= 8

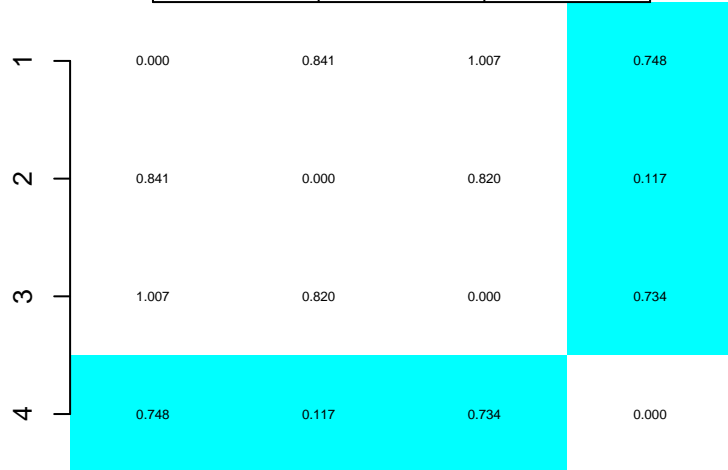
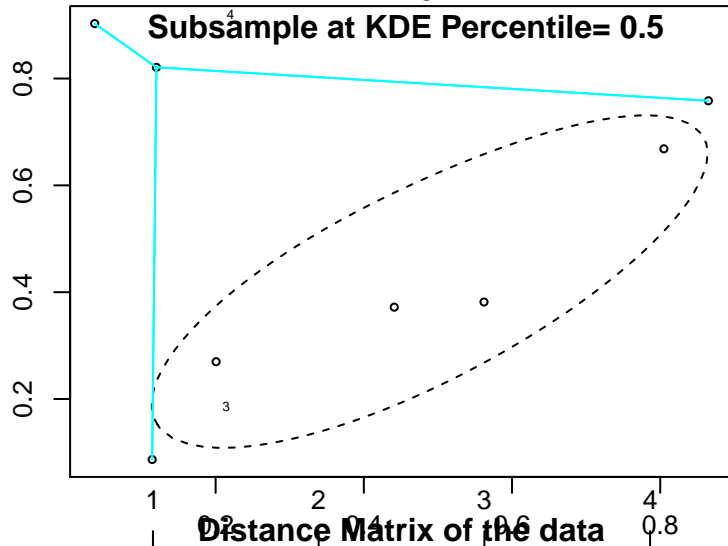
Persistent Diagram



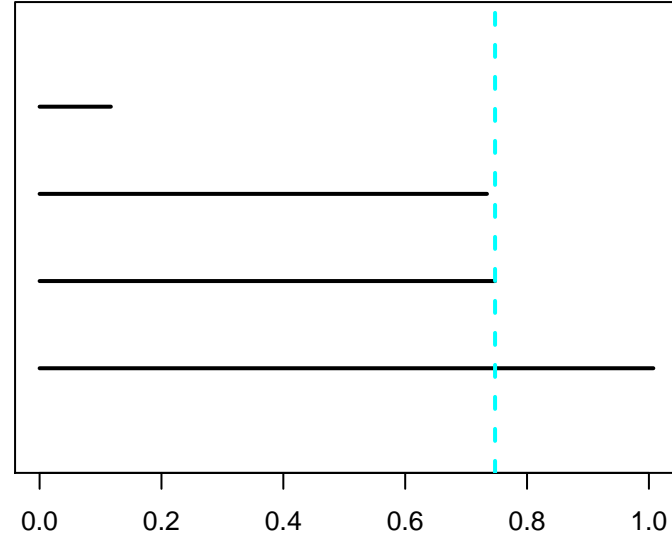
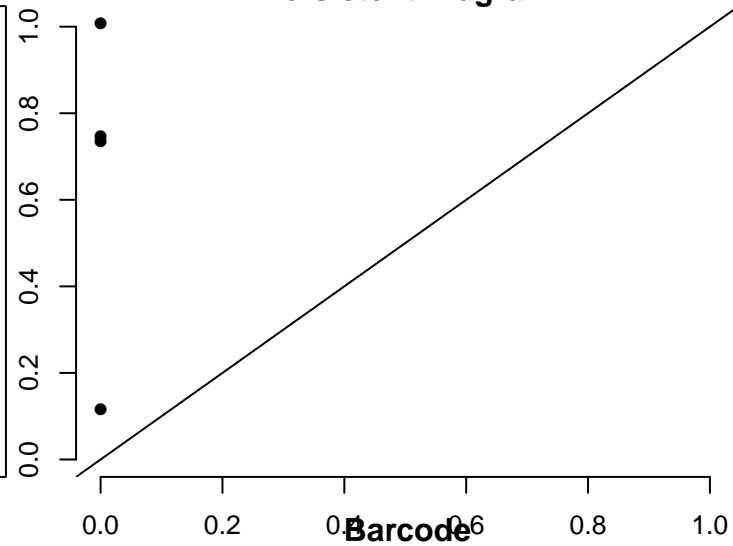
This is the 'Frame' at Euclidean distance = 0.734



This is the 'Frame' at Euclidean distance = 0.748

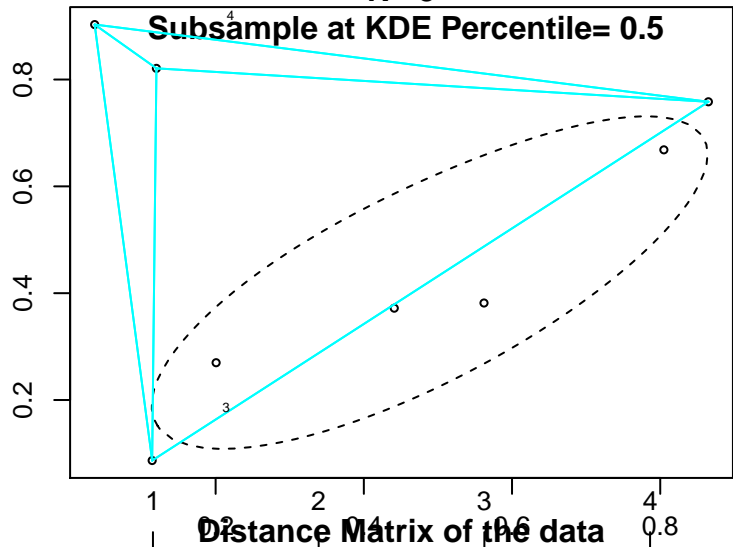


Persistent Diagram

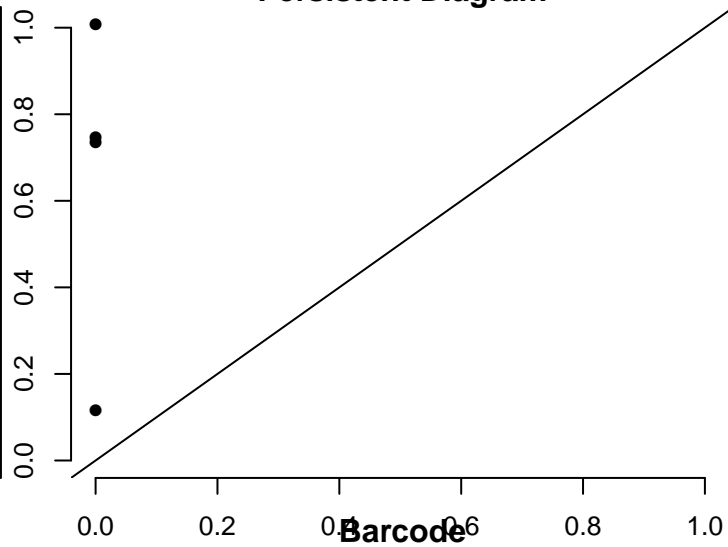


This is the 'Frame' at Euclidean distance = 1.01

N= 8



Persistent Diagram



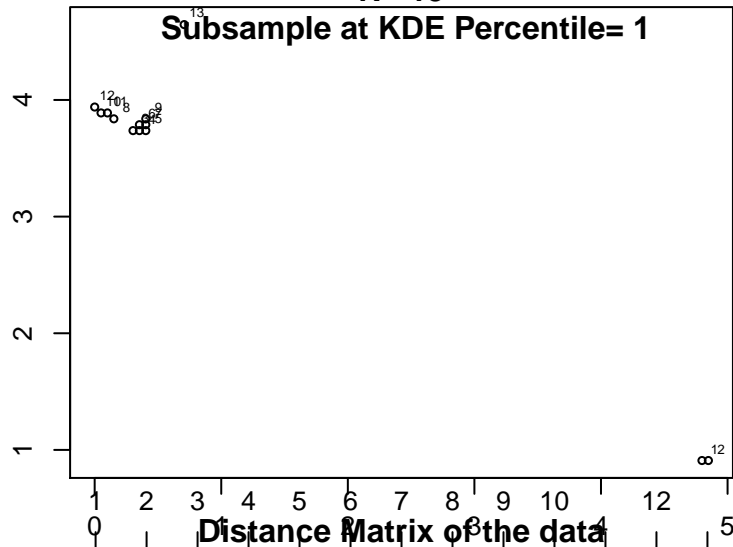
Result and Frame-by-frame plots for
a simulated realisation of the excursion set of Gaussian process model
with exponential covariance $\theta=0.05$

excursion set of Gaussian process, percentile 1

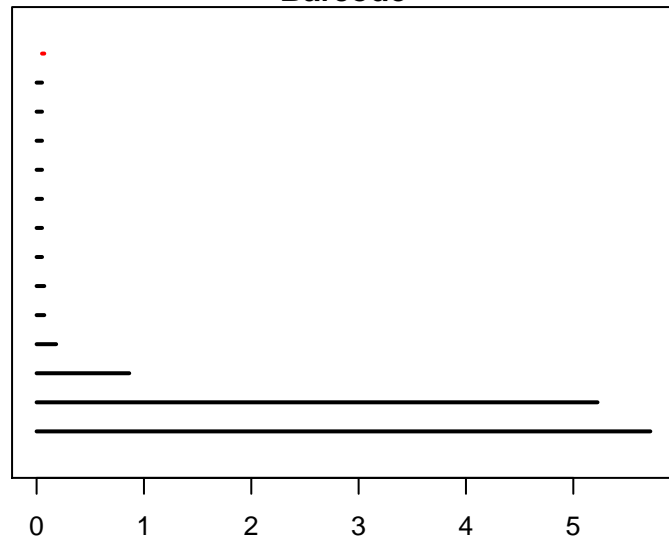
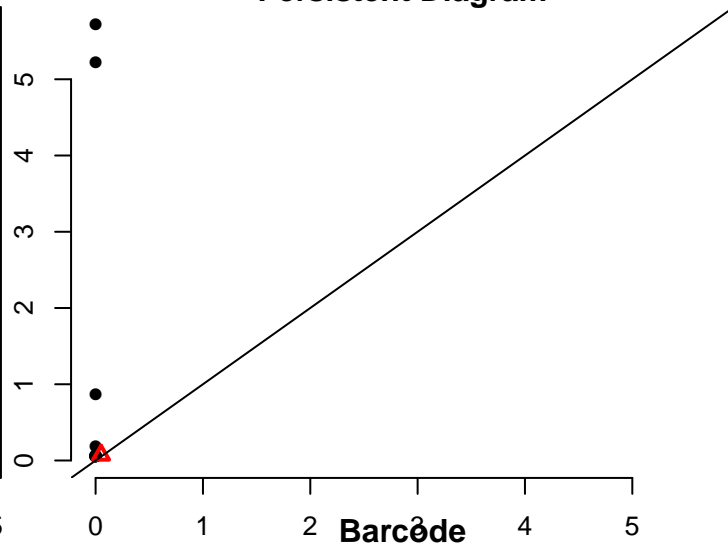
N= 13

Persistent Diagram

Subsample at KDE Percentile= 1



0	0.000	0.051	5.311	5.268	5.226	5.295	5.253	5.493	5.281	5.605	5.562	5.675	5.541
1	0.051	0.000	5.354	5.311	5.268	5.338	5.295	5.536	5.323	5.648	5.605	5.718	5.578
3	5.311	5.354	0.000	0.051	0.101	0.071	0.113	0.182	0.143	0.294	0.253	0.364	0.995
5	5.268	5.311	0.051	0.000	0.051	0.051	0.071	0.226	0.113	0.339	0.294	0.407	0.975
7	5.226	5.268	0.101	0.051	0.000	0.071	0.051	0.272	0.101	0.385	0.339	0.452	0.958
9	5.295	5.338	0.071	0.051	0.071	0.000	0.051	0.208	0.071	0.319	0.272	0.385	0.929
11	5.253	5.295	0.113	0.071	0.051	0.051	0.000	0.258	0.051	0.368	0.319	0.432	0.910
13	5.493	5.536	0.182	0.226	0.272	0.208	0.258	0.000	0.253	0.113	0.071	0.182	0.981
12	5.281	5.323	0.143	0.113	0.101	0.071	0.051	0.253	0.000	0.357	0.307	0.416	0.863
8	5.605	5.648	0.294	0.339	0.385	0.319	0.368	0.113	0.357	0.000	0.051	0.071	1.002
6	5.562	5.605	0.253	0.294	0.339	0.272	0.319	0.071	0.307	0.051	0.000	0.113	0.970
4	5.675	5.718	0.364	0.407	0.452	0.385	0.432	0.182	0.416	0.071	0.113	0.000	1.000
2	5.541	5.578	0.995	0.975	0.958	0.929	0.910	0.981	0.863	1.002	0.970	1.000	0.000

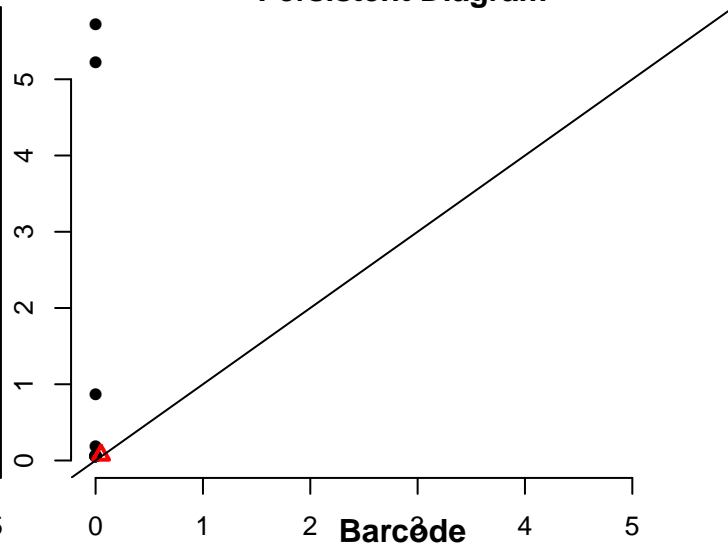
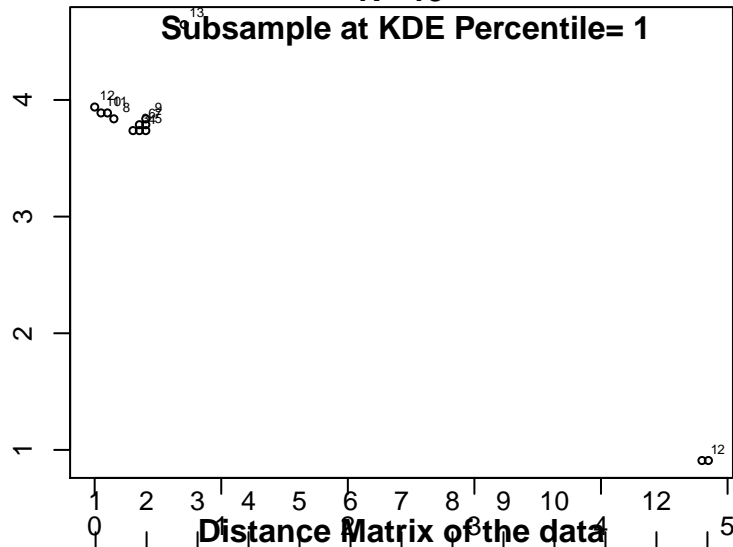


This is the 'Frame' at Euclidean distance = 0

N= 13

Persistent Diagram

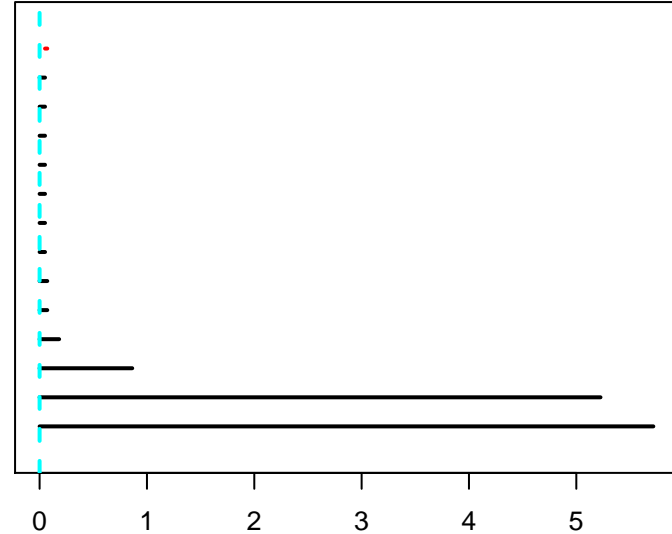
Subsample at KDE Percentile= 1



Distance Matrix of the data

1	0.000	0.051	5.311	5.268	5.226	5.295	5.253	5.493	5.281	5.605	5.562	5.675	5.541
3	0.051	0.000	5.354	5.311	5.268	5.338	5.295	5.536	5.323	5.648	5.605	5.718	5.578
5	5.311	5.354	0.000	0.051	0.101	0.071	0.113	0.182	0.143	0.294	0.253	0.364	0.995
7	5.268	5.311	0.051	0.000	0.051	0.051	0.071	0.226	0.113	0.339	0.294	0.407	0.975
9	5.226	5.268	0.101	0.051	0.000	0.071	0.051	0.272	0.101	0.385	0.339	0.452	0.958
11	5.295	5.338	0.071	0.051	0.071	0.000	0.051	0.208	0.071	0.319	0.272	0.385	0.929
13	5.253	5.295	0.113	0.071	0.051	0.051	0.000	0.258	0.051	0.368	0.319	0.432	0.910
	5.493	5.536	0.182	0.226	0.272	0.208	0.258	0.000	0.253	0.113	0.071	0.182	0.981
	5.281	5.323	0.143	0.113	0.101	0.071	0.051	0.253	0.000	0.357	0.307	0.416	0.863
	5.605	5.648	0.294	0.339	0.385	0.319	0.368	0.113	0.357	0.000	0.051	0.071	1.002
	5.562	5.605	0.253	0.294	0.339	0.272	0.319	0.071	0.307	0.051	0.000	0.113	0.970
	5.675	5.718	0.364	0.407	0.452	0.385	0.432	0.182	0.416	0.071	0.113	0.000	1.000
	5.541	5.578	0.995	0.975	0.958	0.929	0.910	0.981	0.863	1.002	0.970	1.000	0.000

Barcode

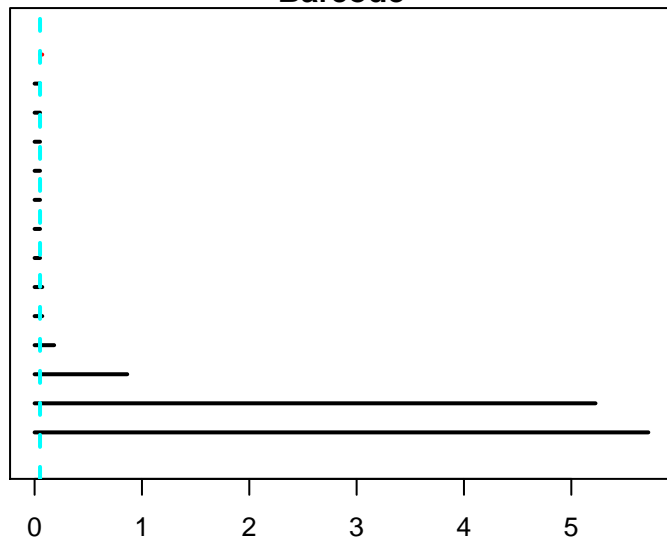
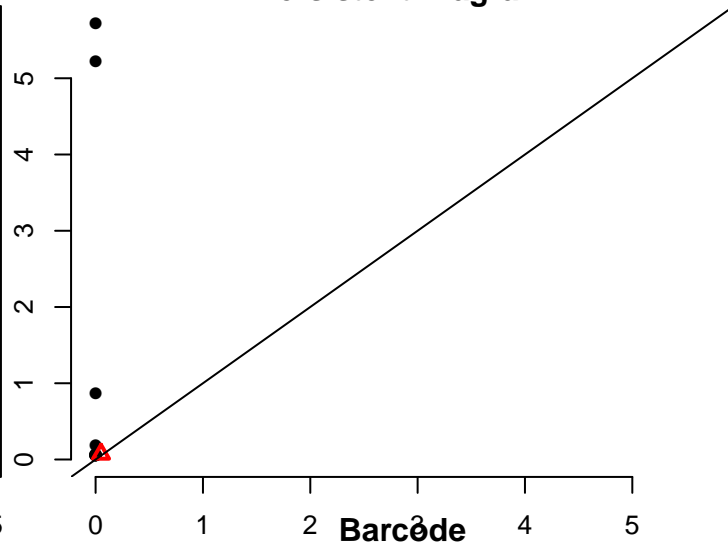
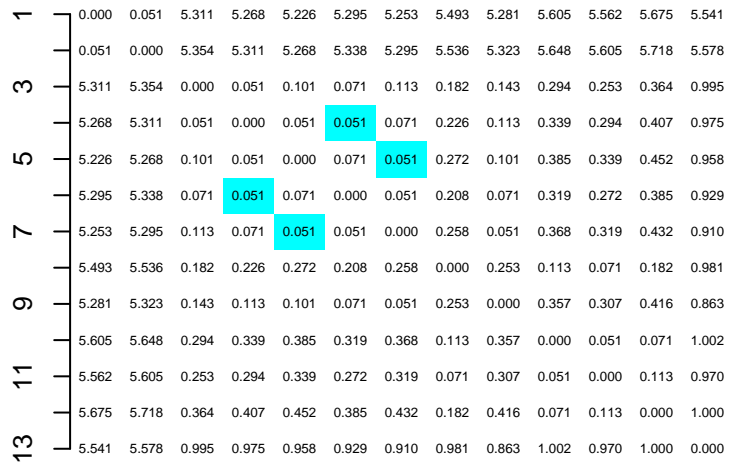
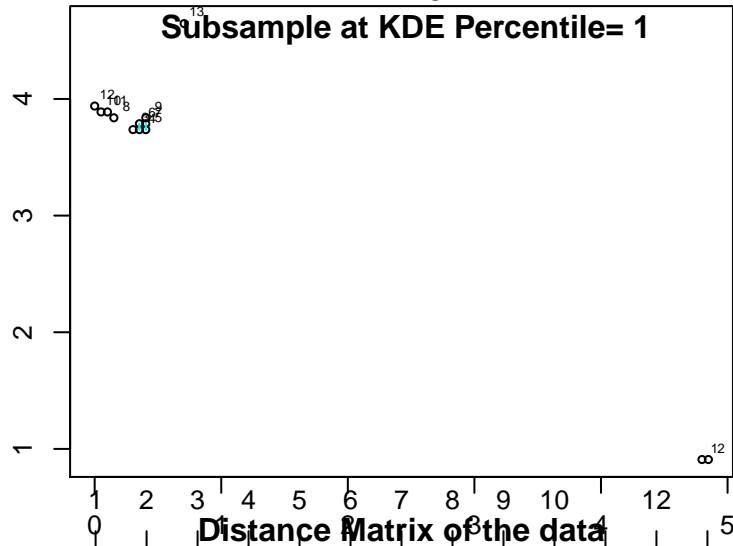


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

Subsample at KDE Percentile= 1

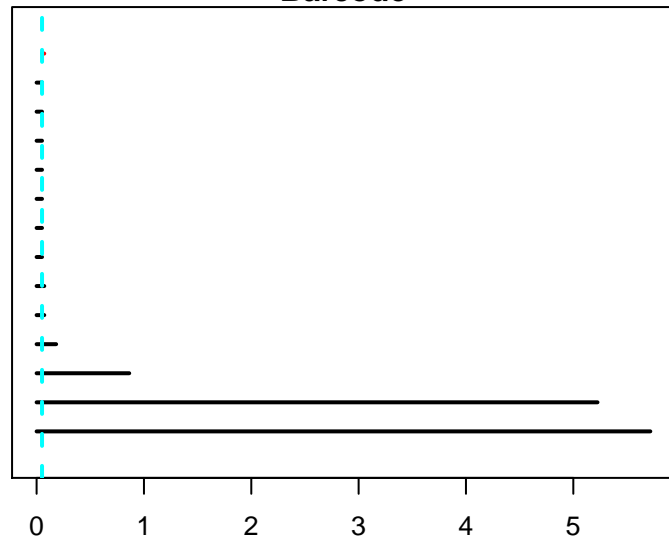
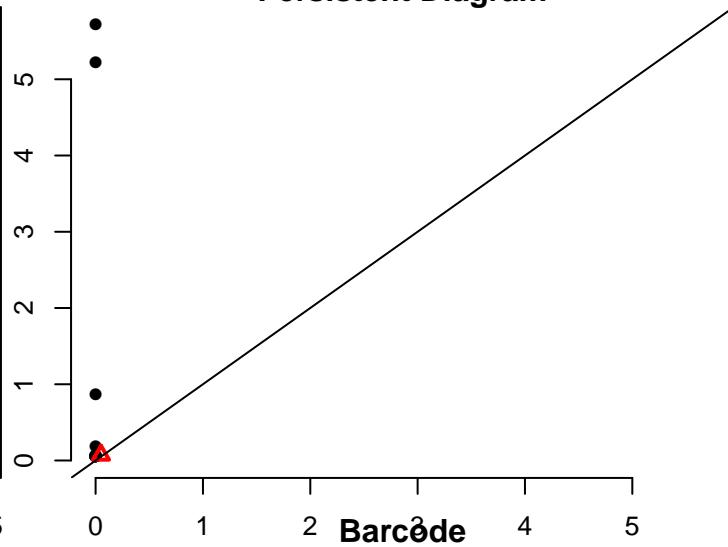
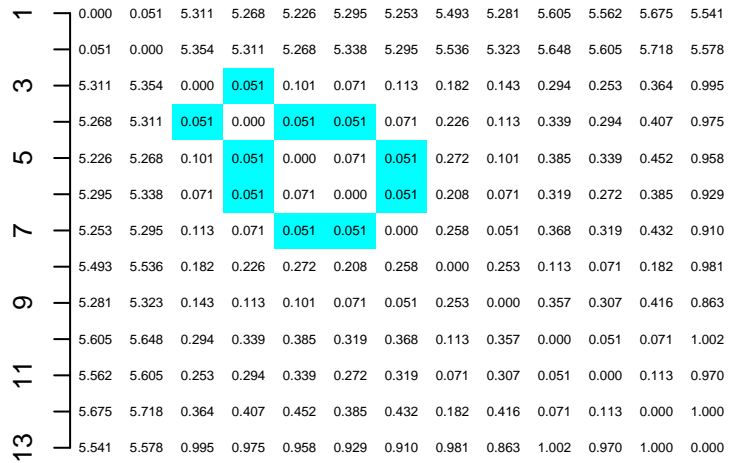
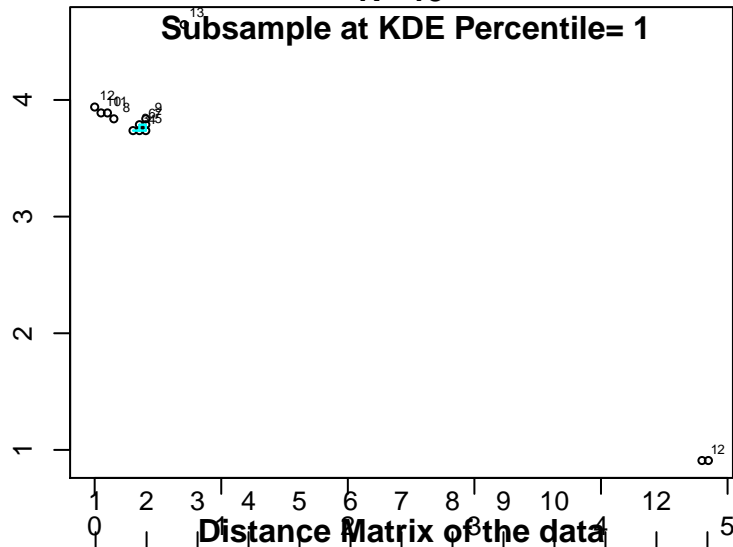


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

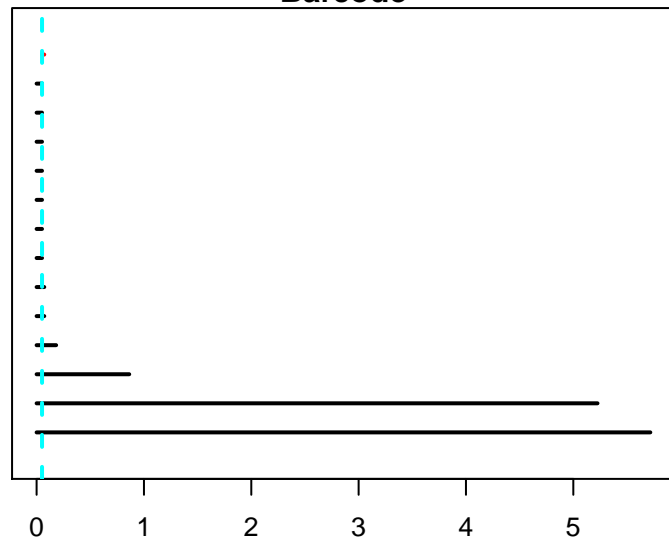
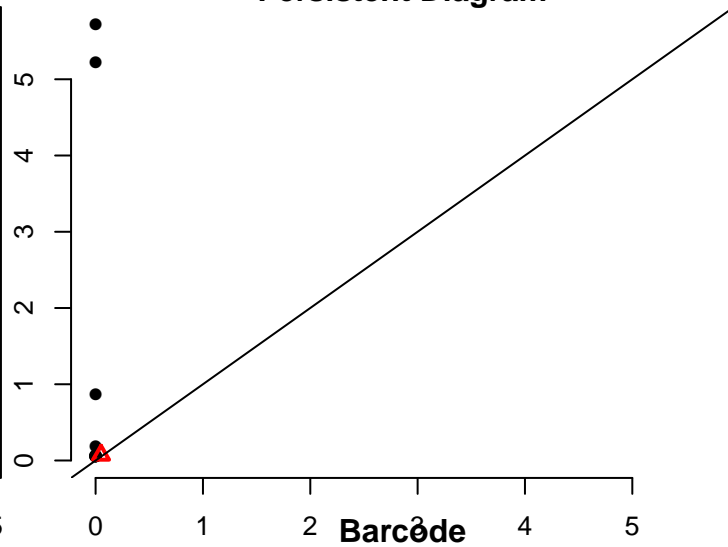
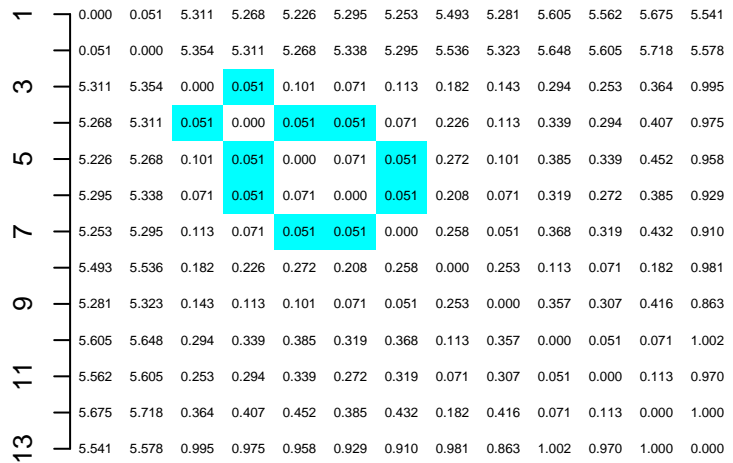
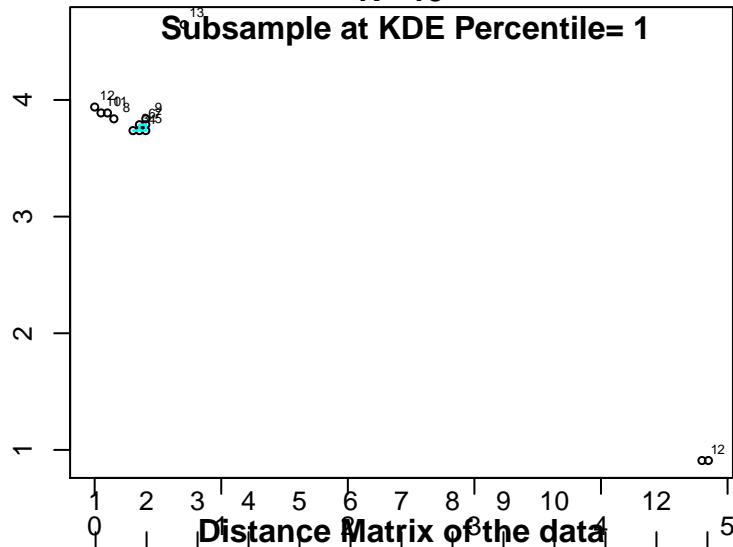
Subsample at KDE Percentile= 1



This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

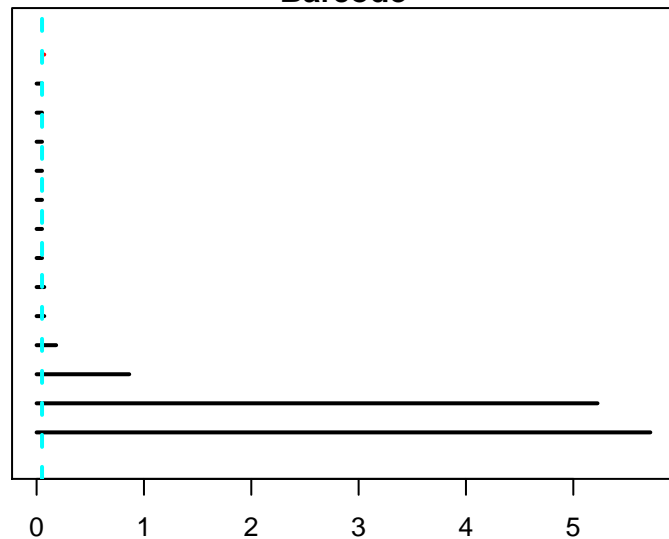
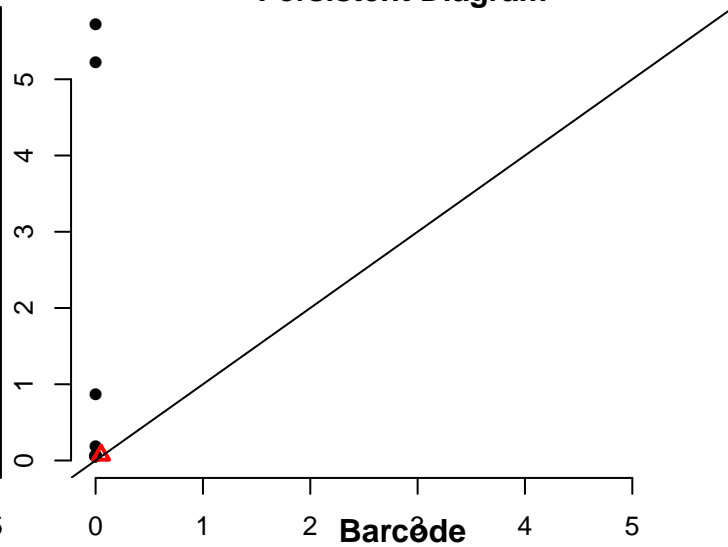
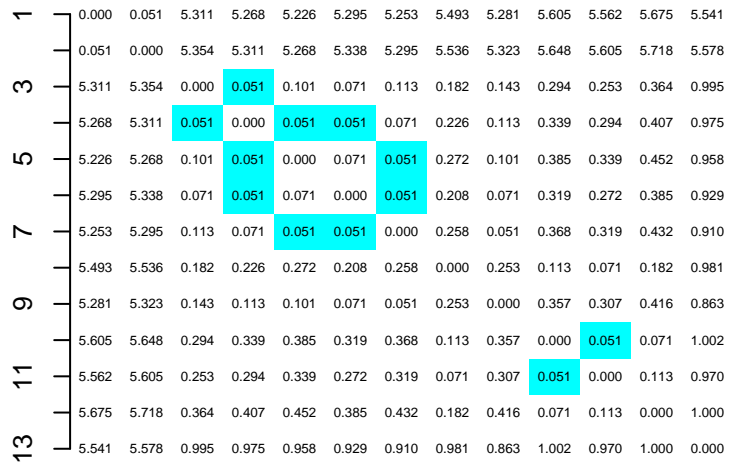
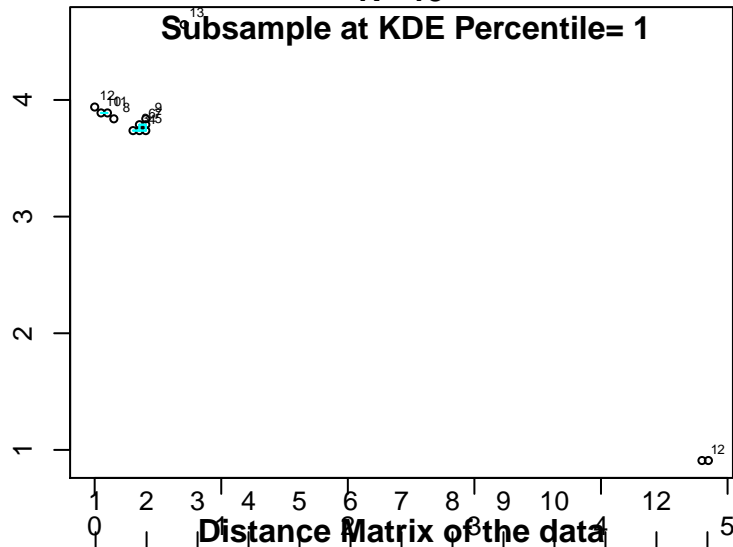


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

Subsample at KDE Percentile= 1

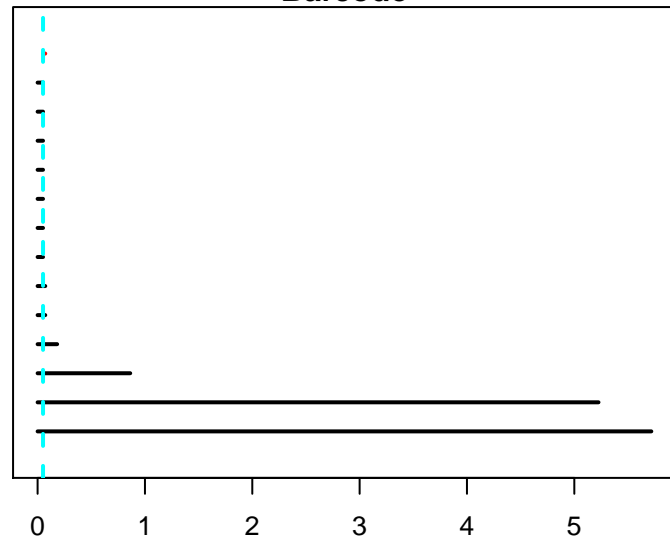
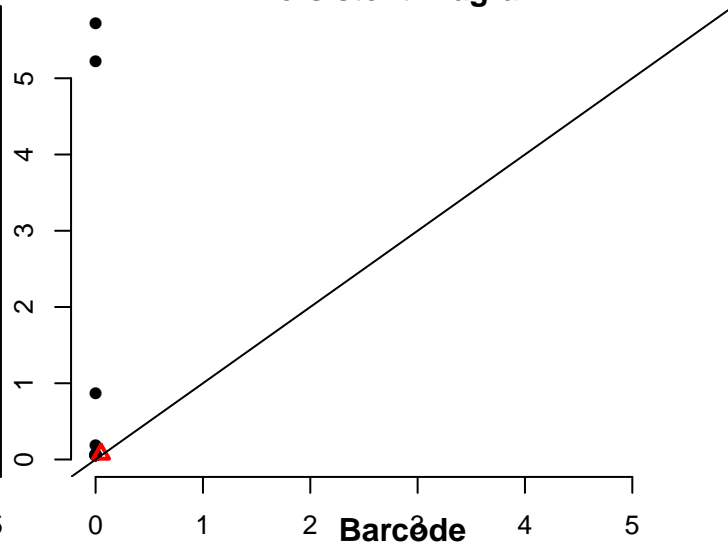
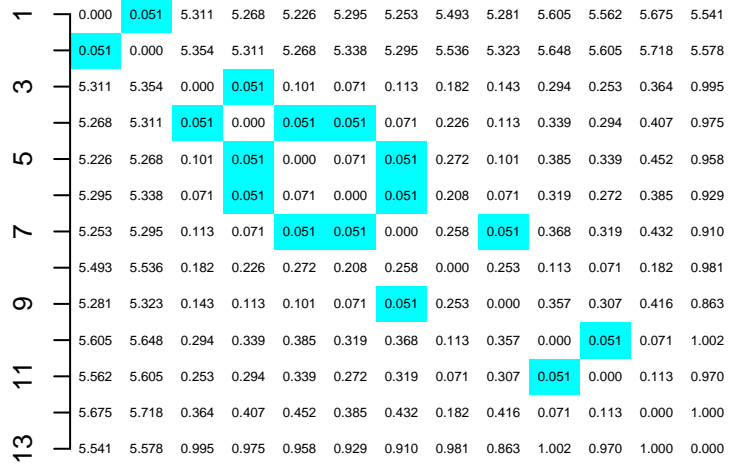
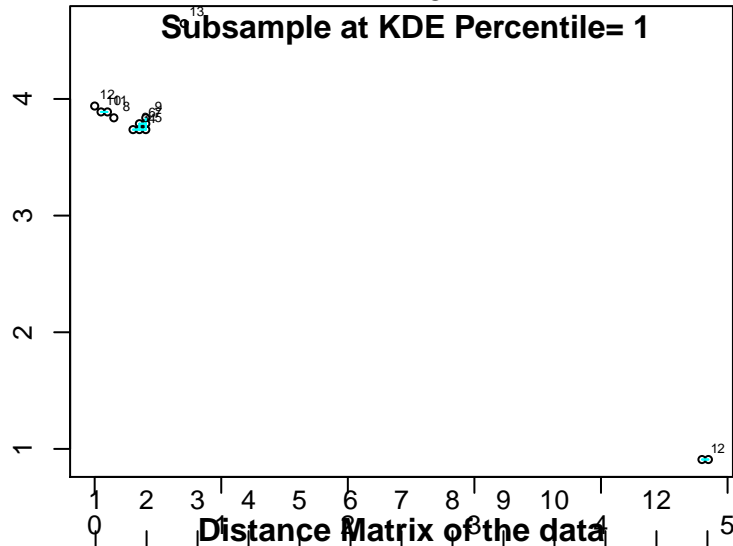


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

Subsample at KDE Percentile= 1

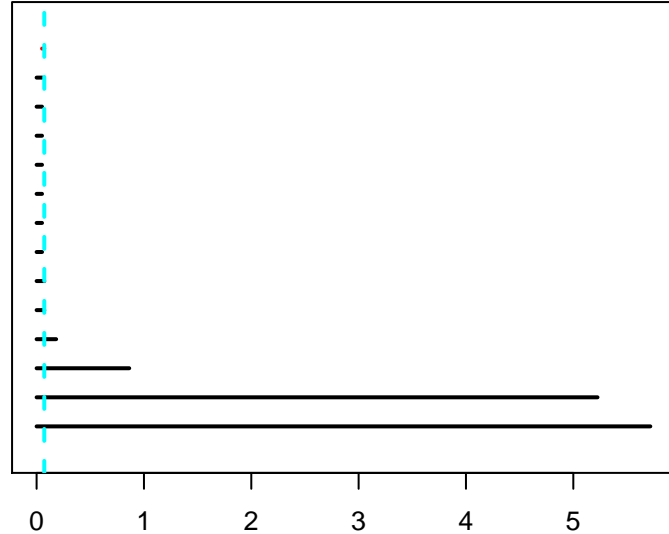
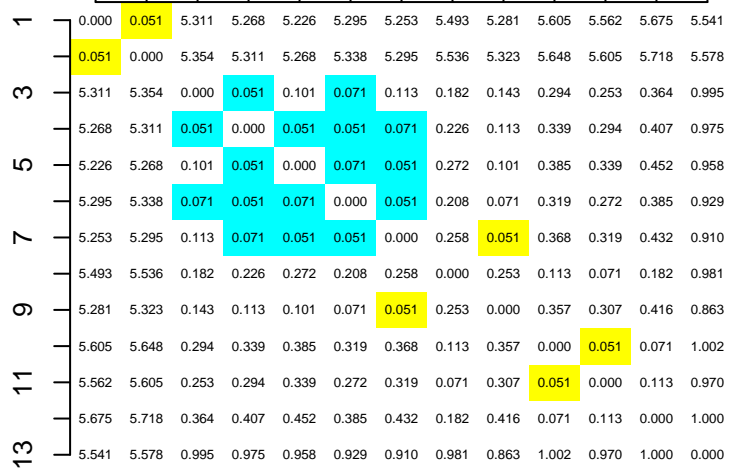
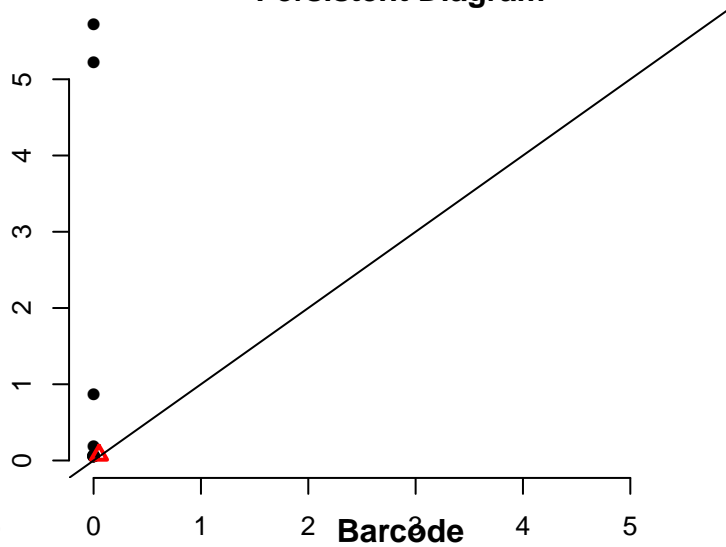
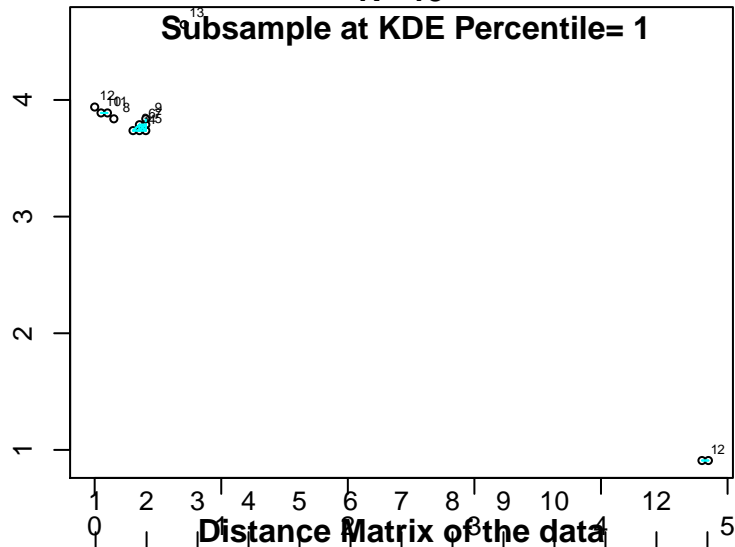


This is the 'Frame' at Euclidean distance = 0.0714

N= 13

Persistent Diagram

Subsample at KDE Percentile= 1

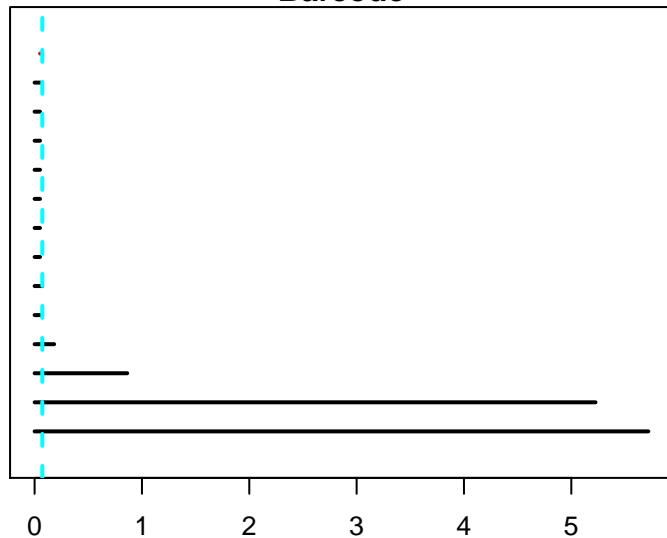
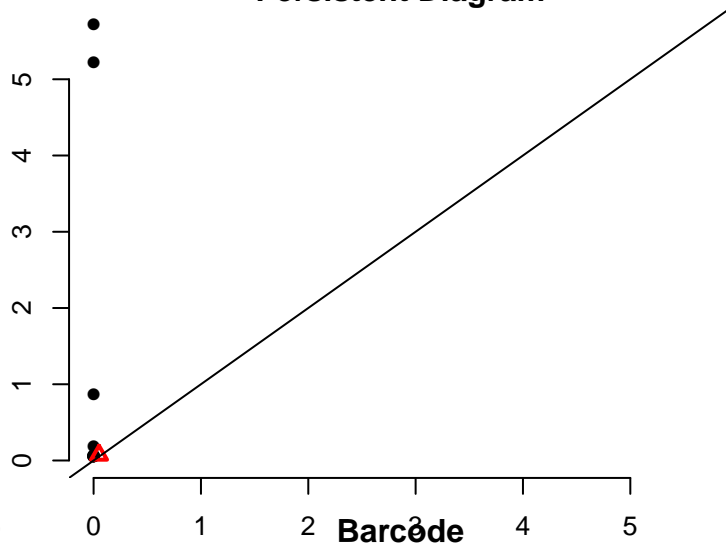
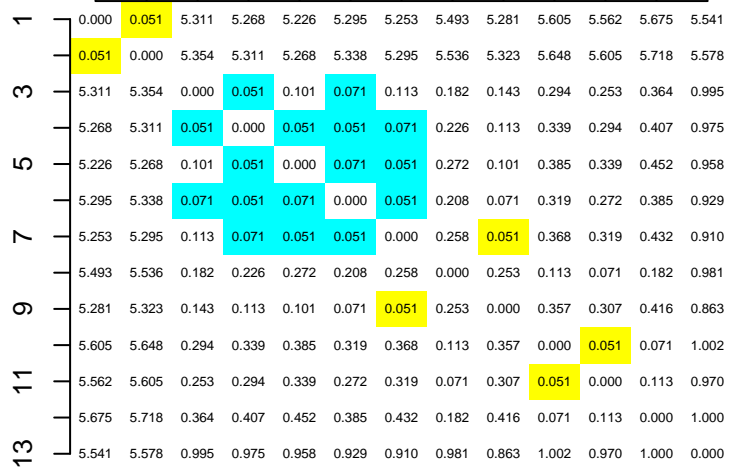
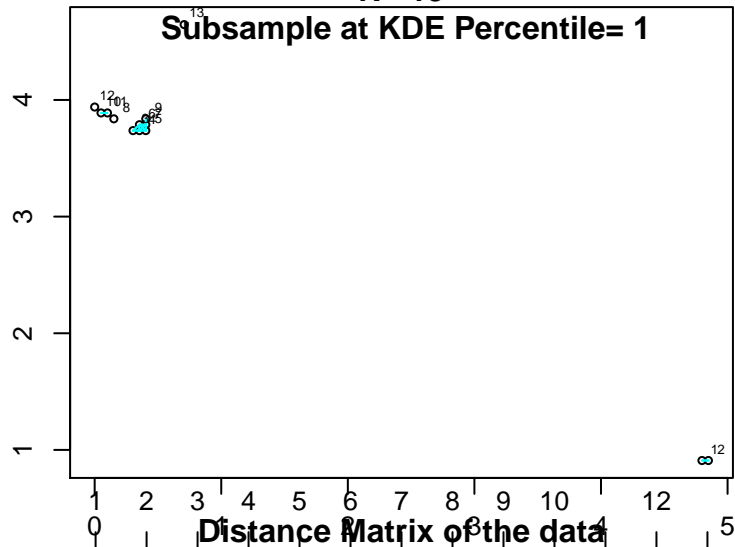


This is the 'Frame' at Euclidean distance = 0.0714

N= 13

Persistent Diagram

Subsample at KDE Percentile= 1

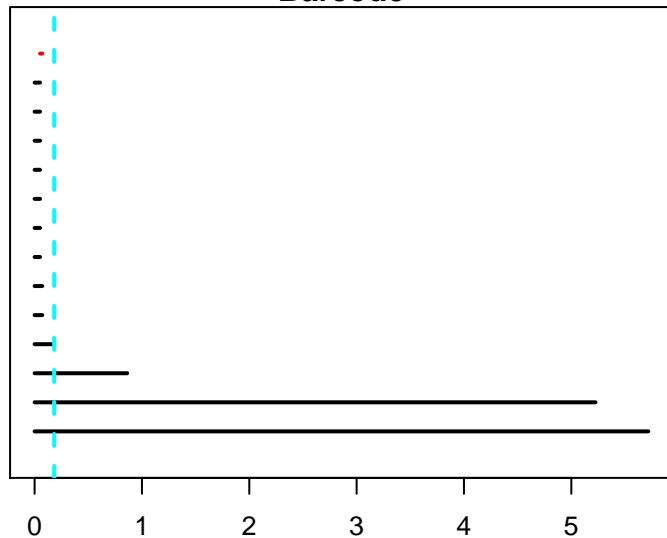
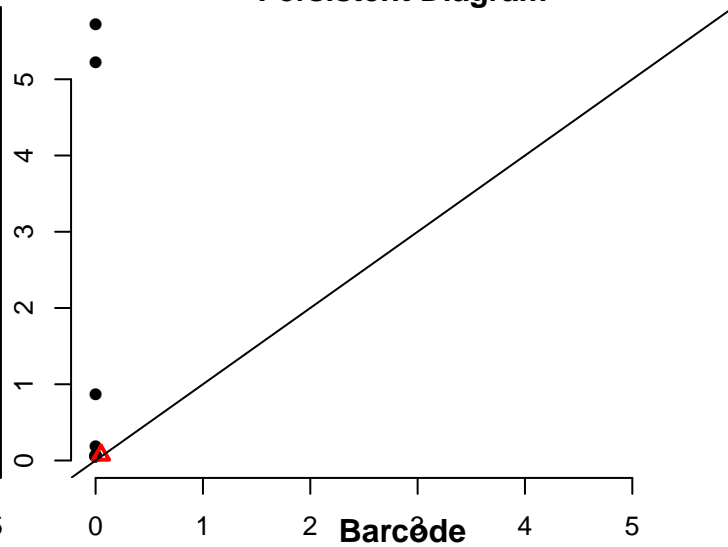
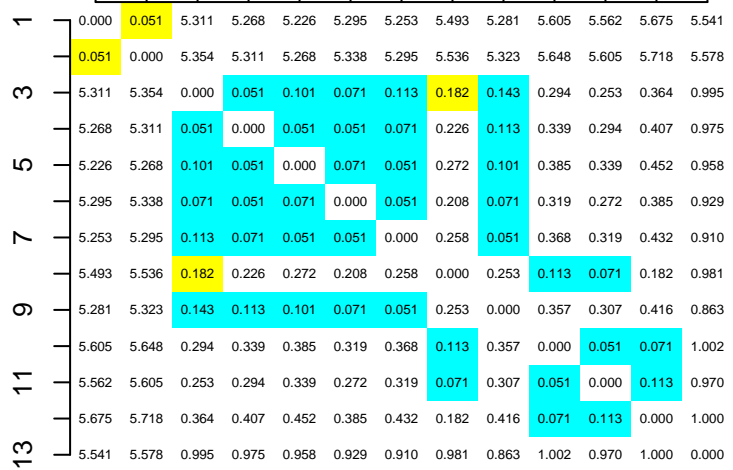
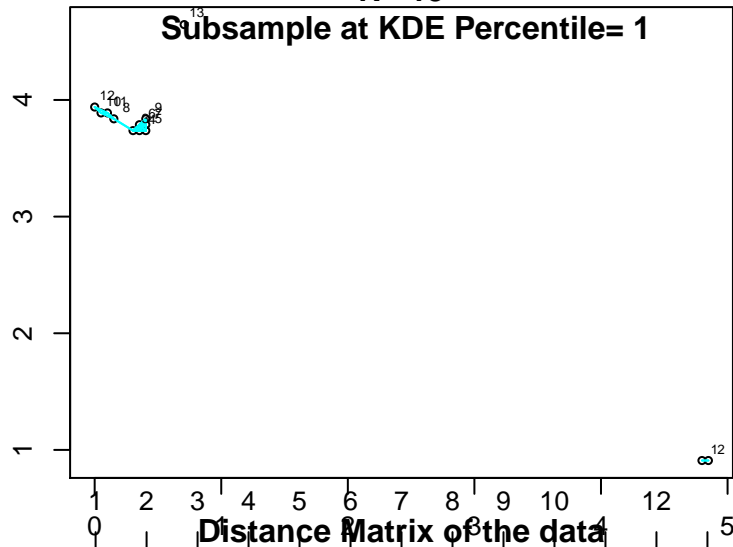


This is the 'Frame' at Euclidean distance = 0.182

N= 13

Persistent Diagram

Subsample at KDE Percentile= 1

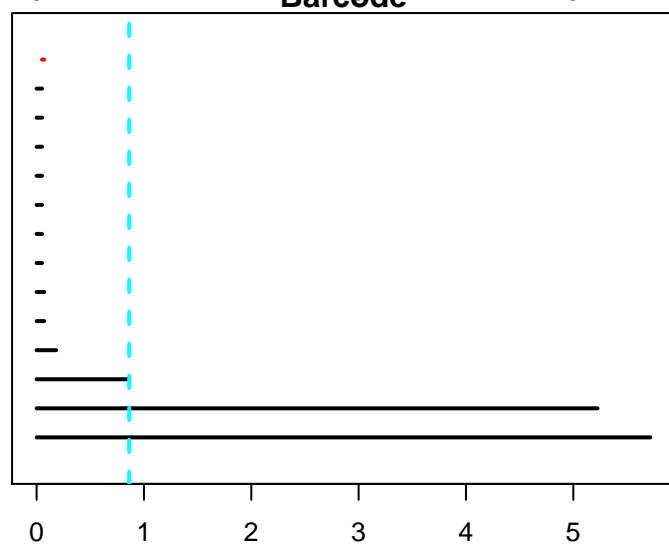
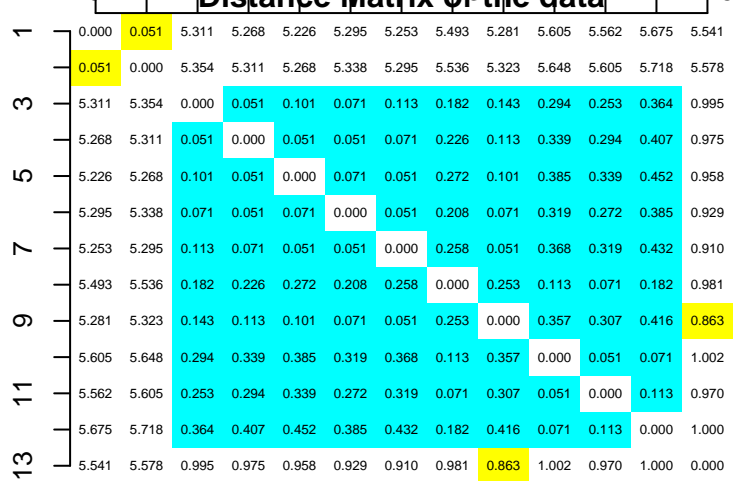
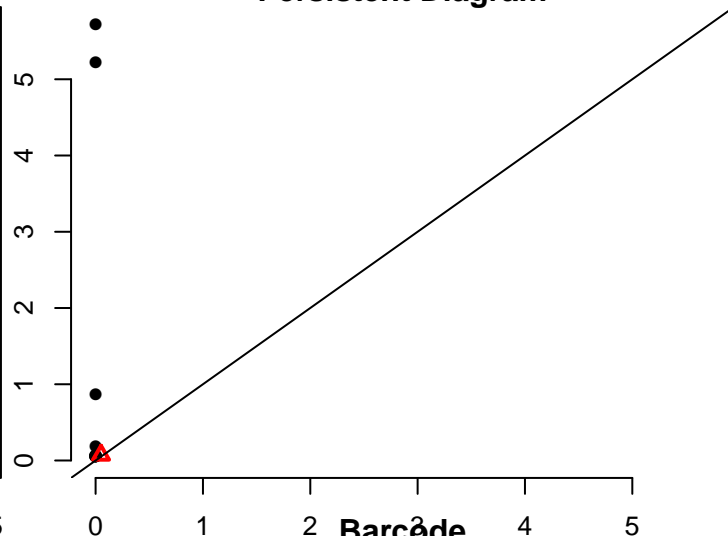
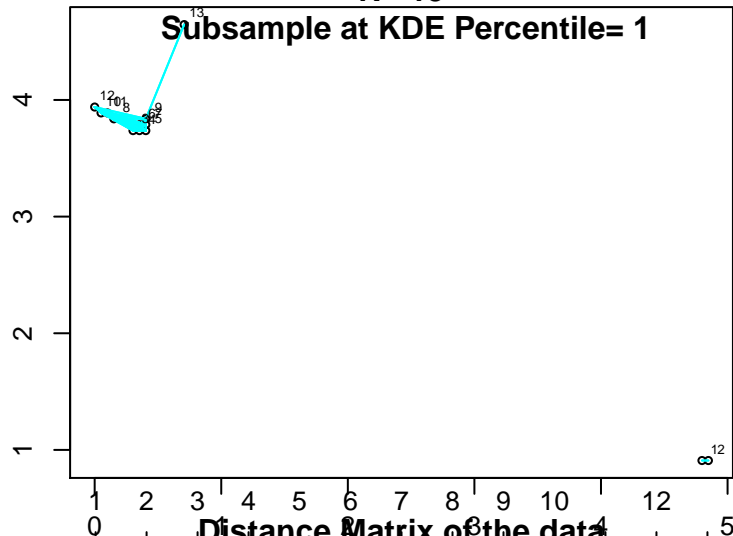


This is the 'Frame' at Euclidean distance = 0.863

N= 13

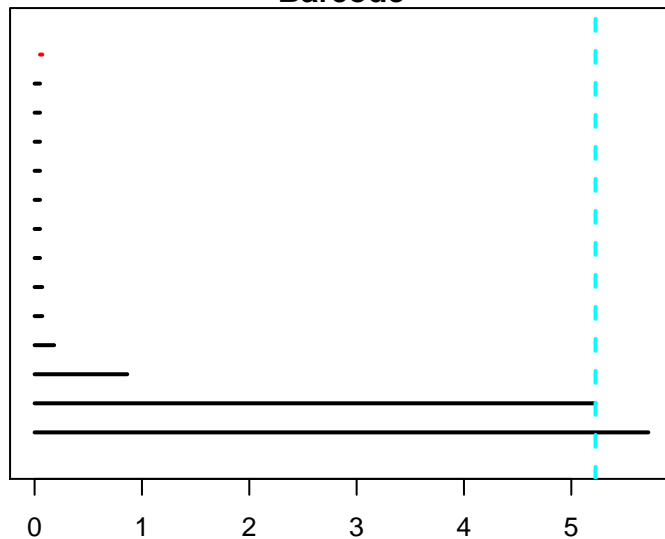
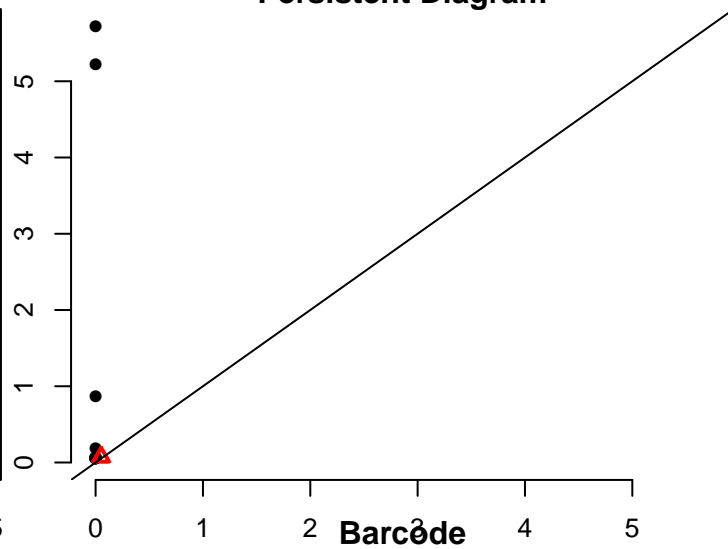
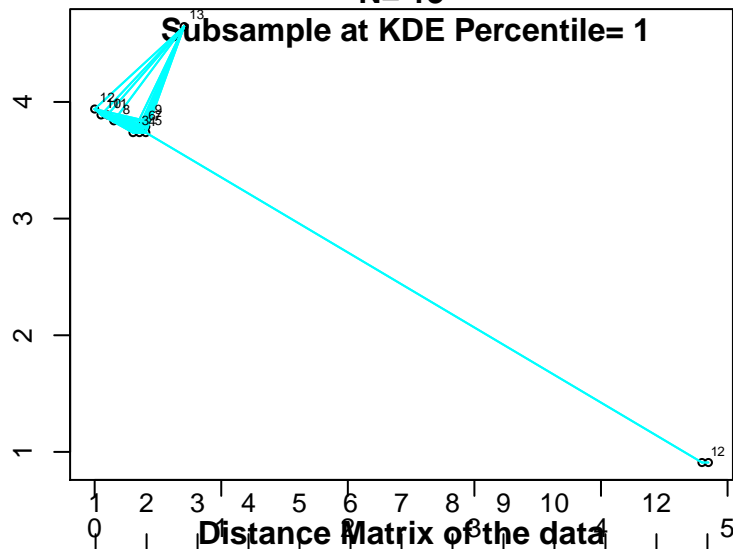
Persistent Diagram

Subsample at KDE Percentile= 1



= 13

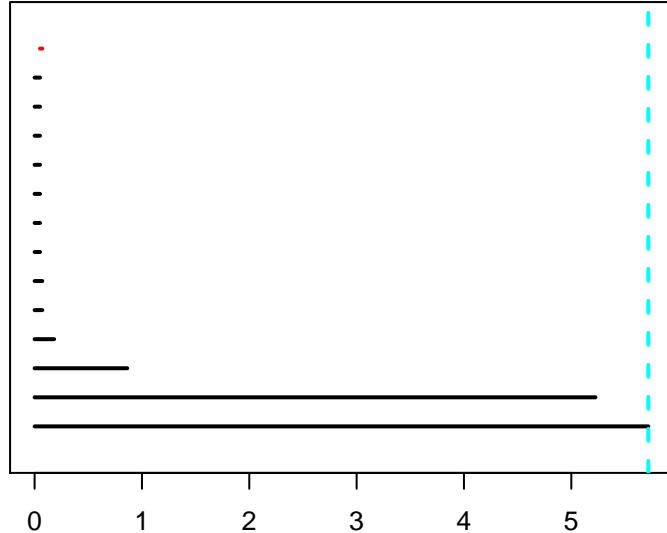
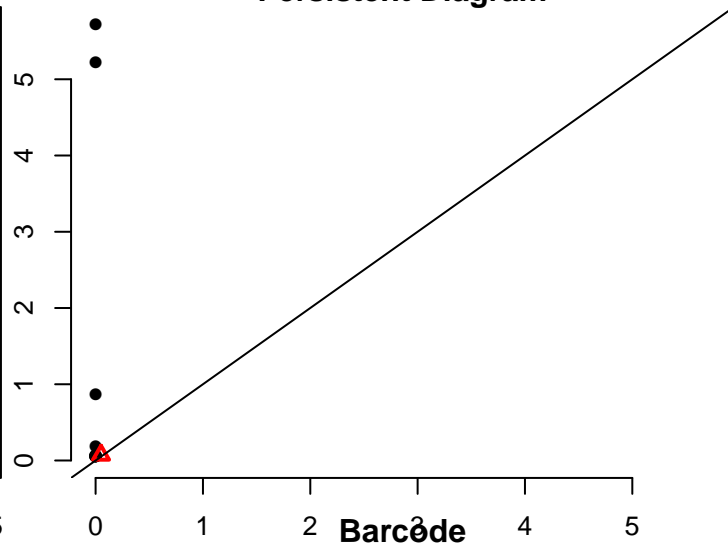
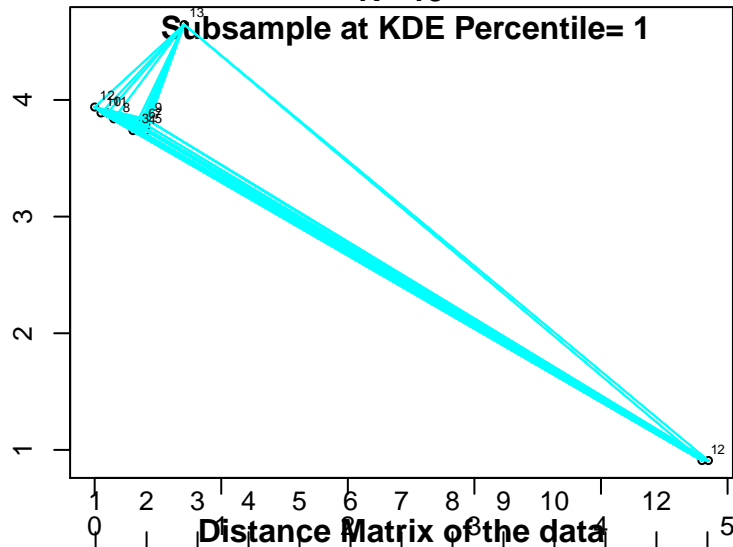
Persistent Diagram



This is the 'Frame' at Euclidean distance = 5.72

N= 13

Persistent Diagram

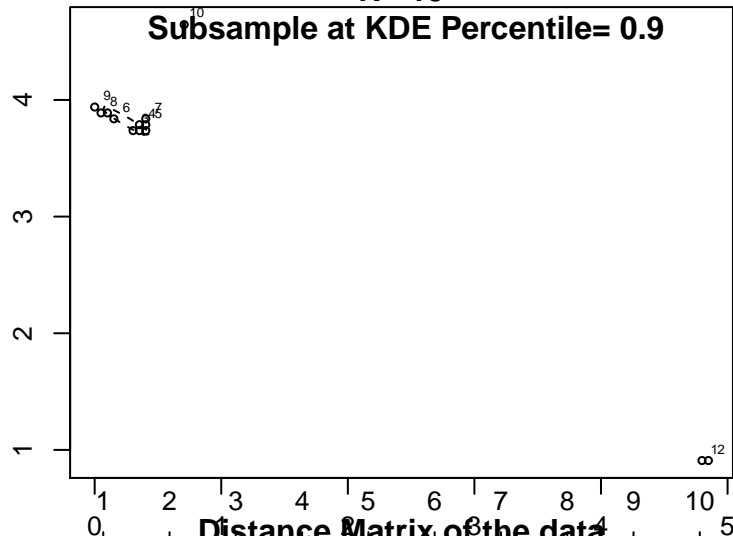


excursion set of Gaussian process, percentile .9

N= 13

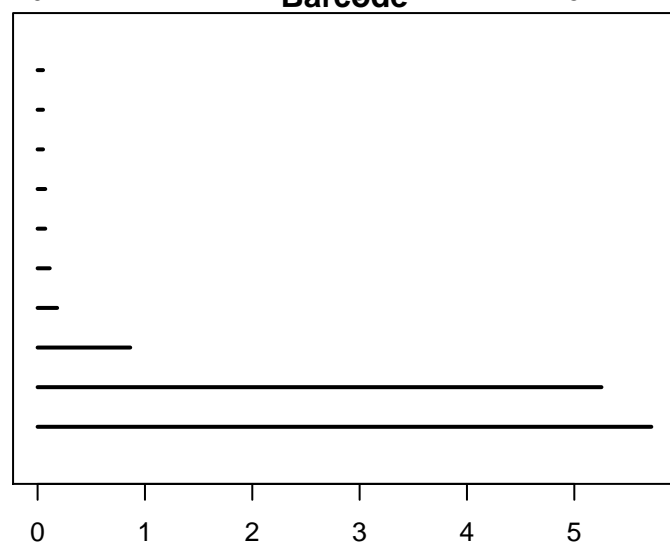
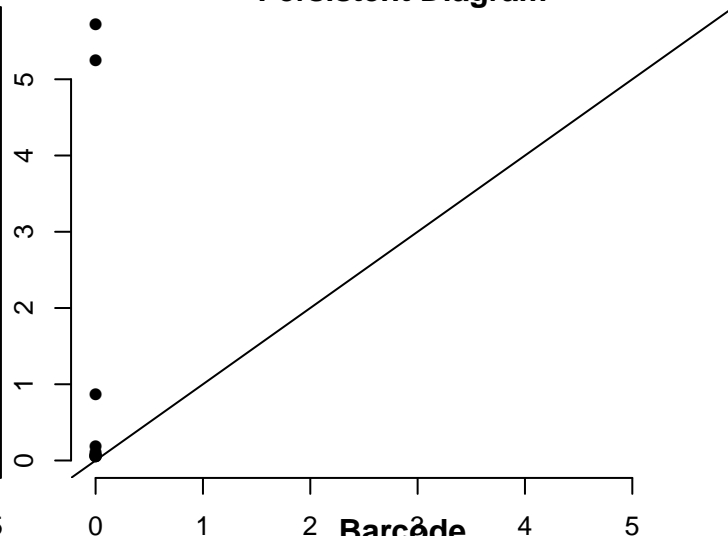
Persistent Diagram

Subsample at KDE Percentile= 0.9



Distance Matrix of the data

1	0.000	0.051	5.311	5.295	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.338	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.071	0.113	0.182	0.143	0.294	0.364	0.995
4	5.295	5.338	0.071	0.000	0.051	0.208	0.071	0.319	0.385	0.929
5	5.253	5.295	0.113	0.051	0.000	0.258	0.051	0.368	0.432	0.910
6	5.493	5.536	0.182	0.208	0.258	0.000	0.253	0.113	0.182	0.981
7	5.281	5.323	0.143	0.071	0.051	0.253	0.000	0.357	0.416	0.863
8	5.605	5.648	0.294	0.319	0.368	0.113	0.357	0.000	0.071	1.002
9	5.675	5.718	0.364	0.385	0.432	0.182	0.416	0.071	0.000	1.000
10	5.541	5.578	0.995	0.929	0.910	0.981	0.863	1.002	1.000	0.000

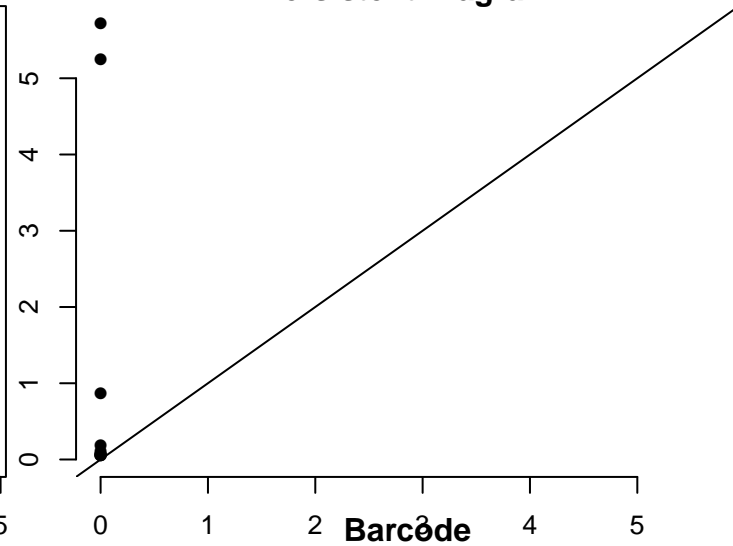
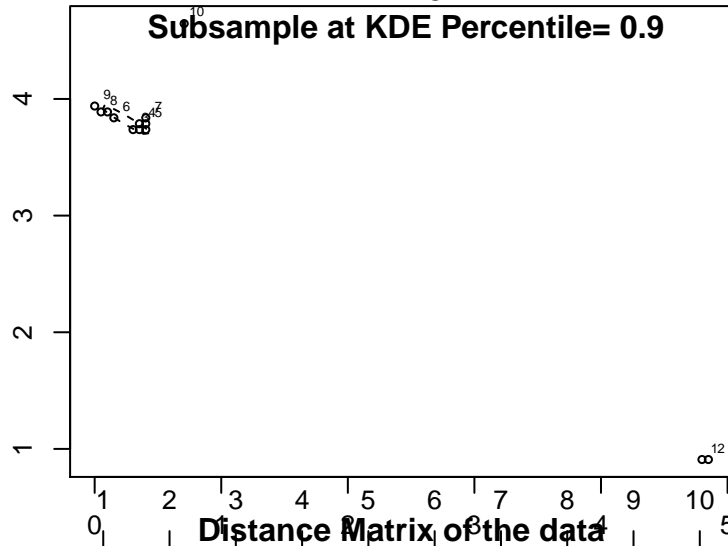


This is the 'Frame' at Euclidean distance = 0

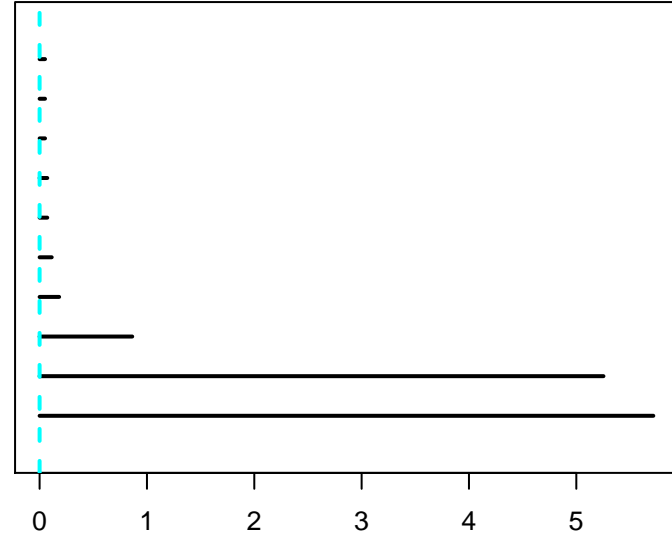
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9



1	0.000	0.051	5.311	5.295	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.338	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.071	0.113	0.182	0.143	0.294	0.364	0.995
4	5.295	5.338	0.071	0.000	0.051	0.208	0.071	0.319	0.385	0.929
5	5.253	5.295	0.113	0.051	0.000	0.258	0.051	0.368	0.432	0.910
6	5.493	5.536	0.182	0.208	0.258	0.000	0.253	0.113	0.182	0.981
7	5.281	5.323	0.143	0.071	0.051	0.253	0.000	0.357	0.416	0.863
8	5.605	5.648	0.294	0.319	0.368	0.113	0.357	0.000	0.071	1.002
9	5.675	5.718	0.364	0.385	0.432	0.182	0.416	0.071	0.000	1.000
10	5.541	5.578	0.995	0.929	0.910	0.981	0.863	1.002	1.000	0.000

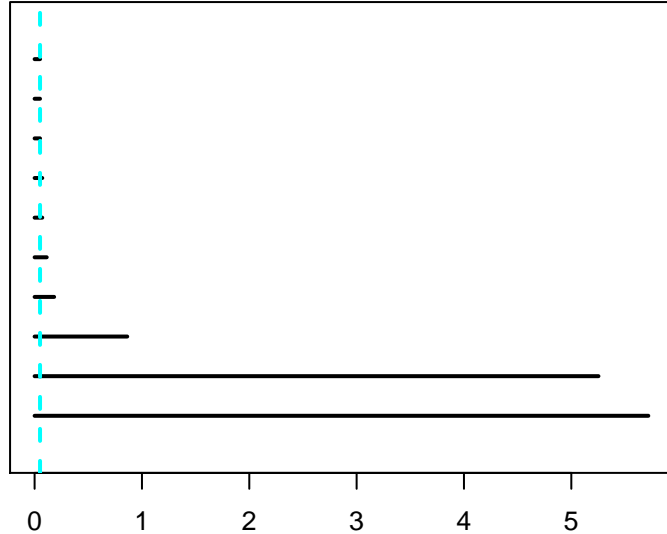
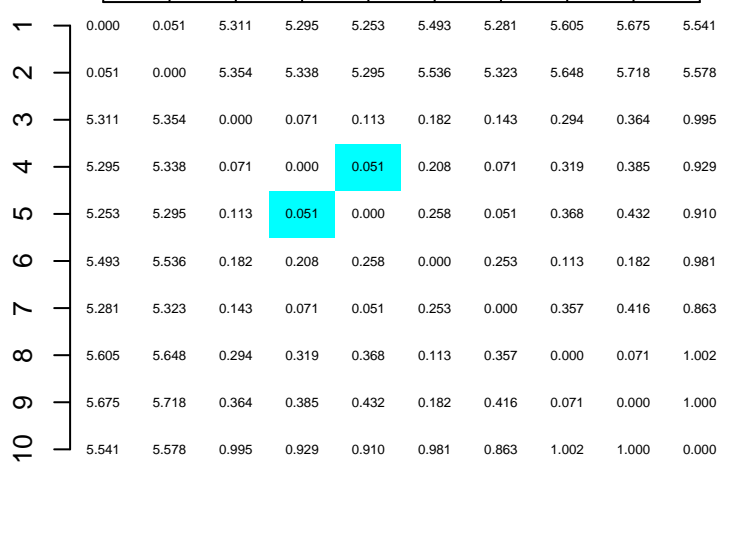
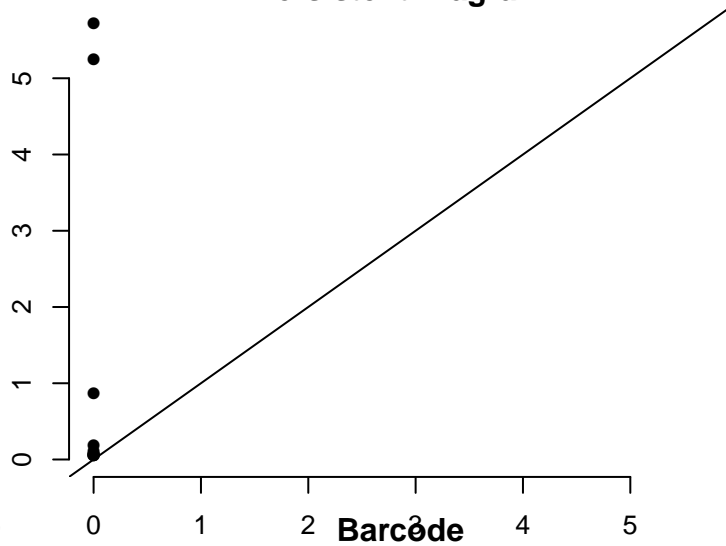
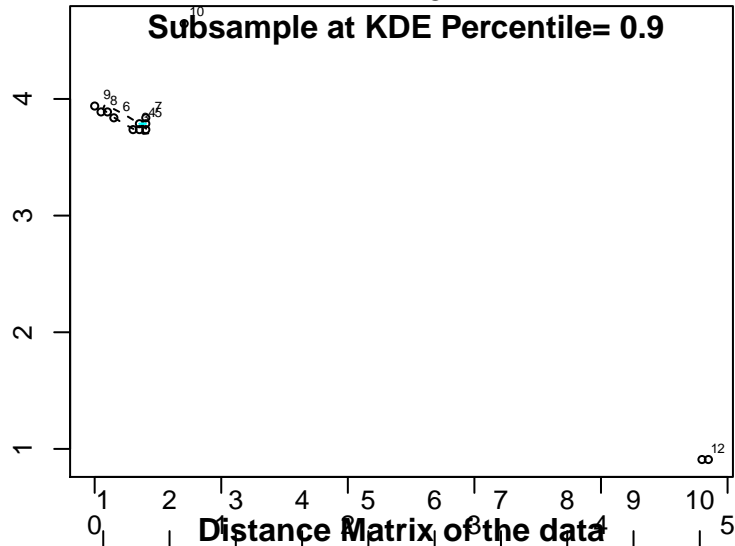


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9

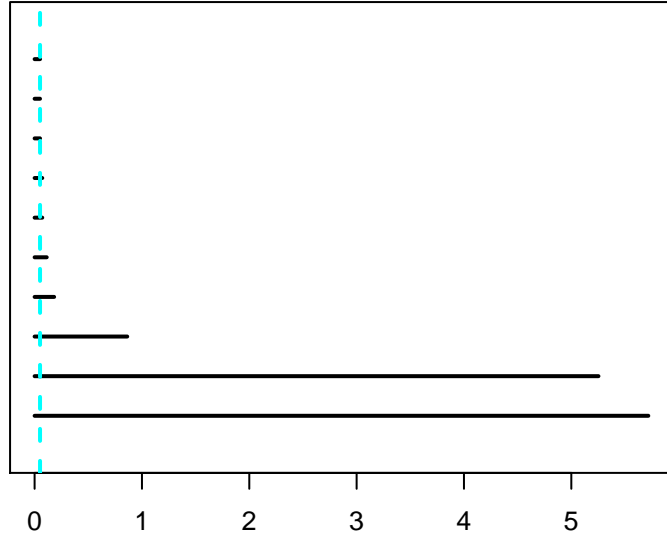
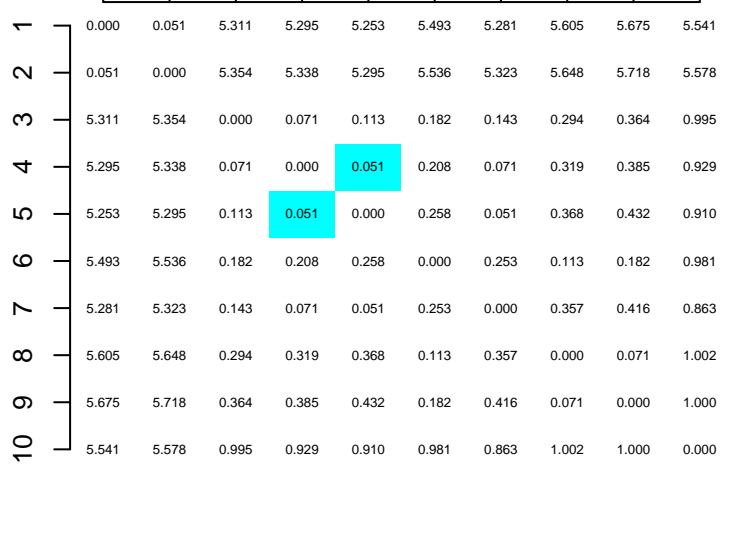
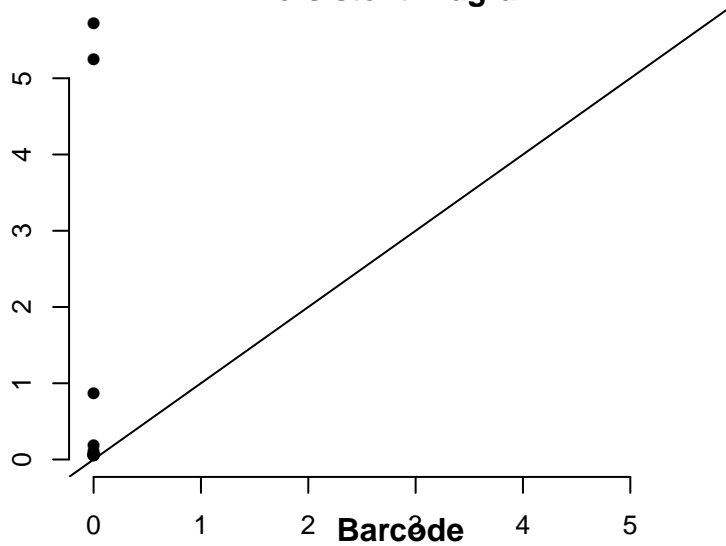
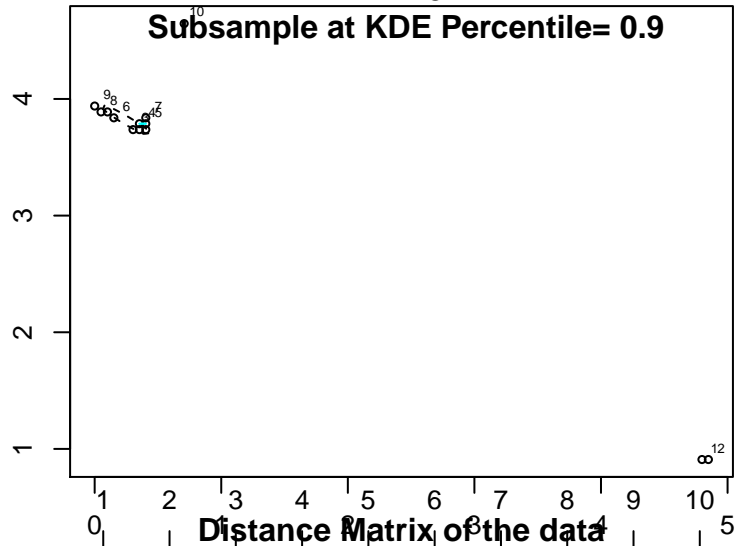


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9

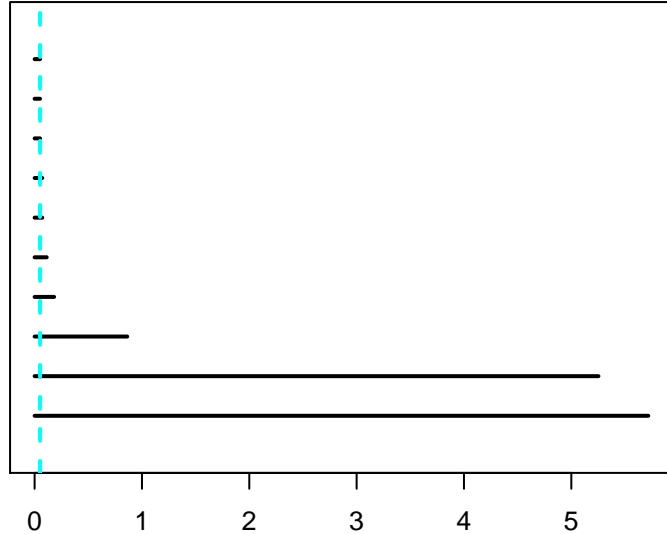
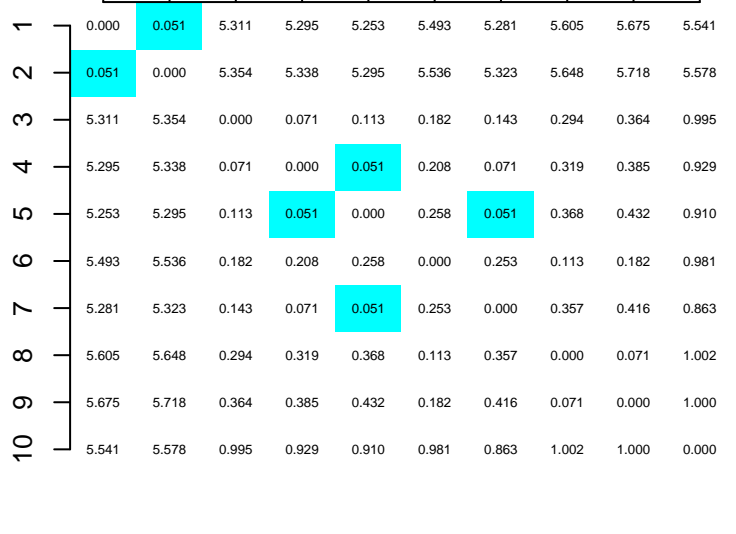
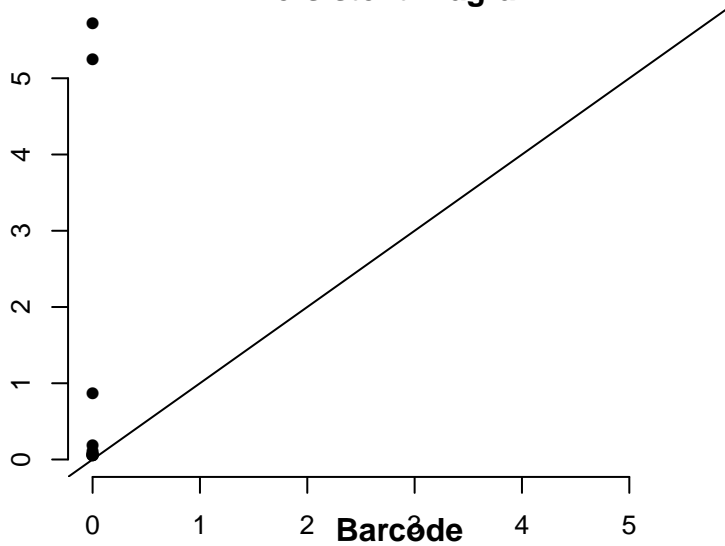
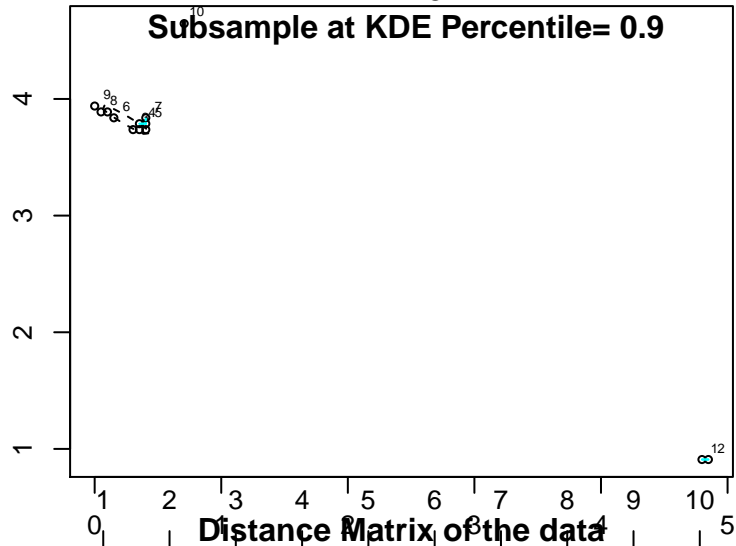


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9

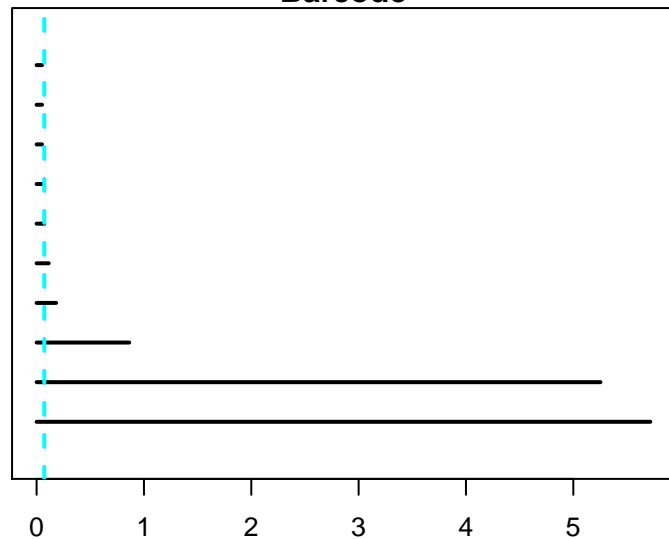
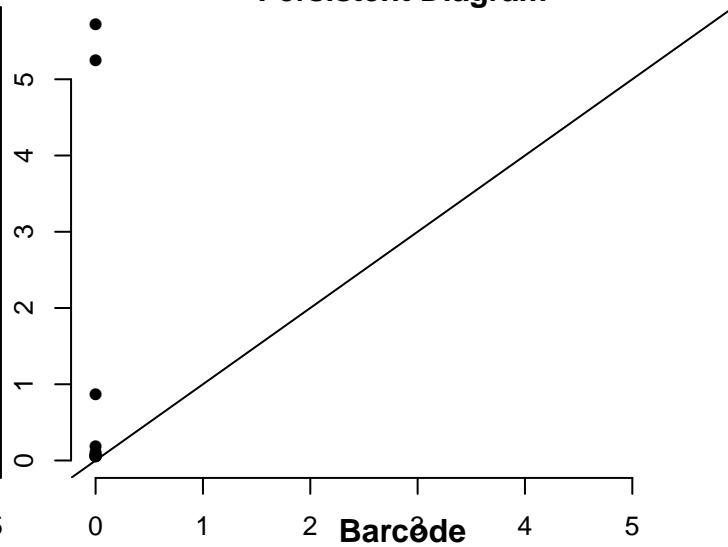
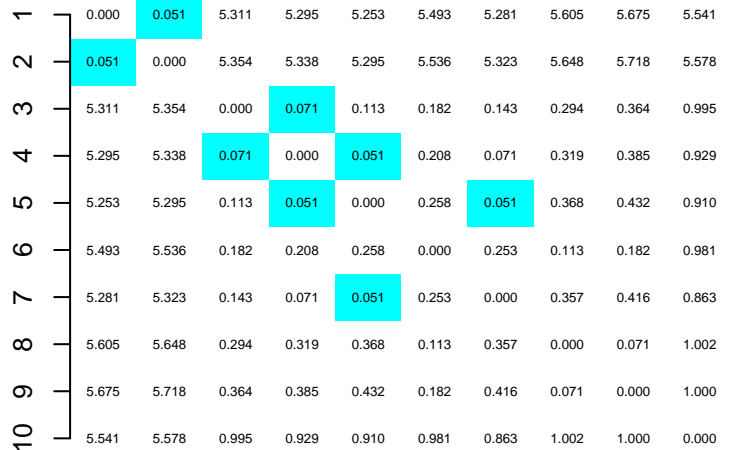
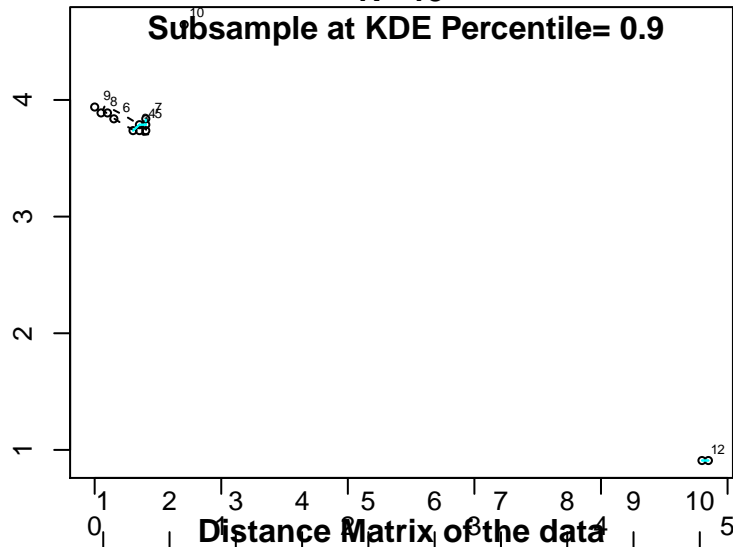


This is the 'Frame' at Euclidean distance = 0.0714

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9

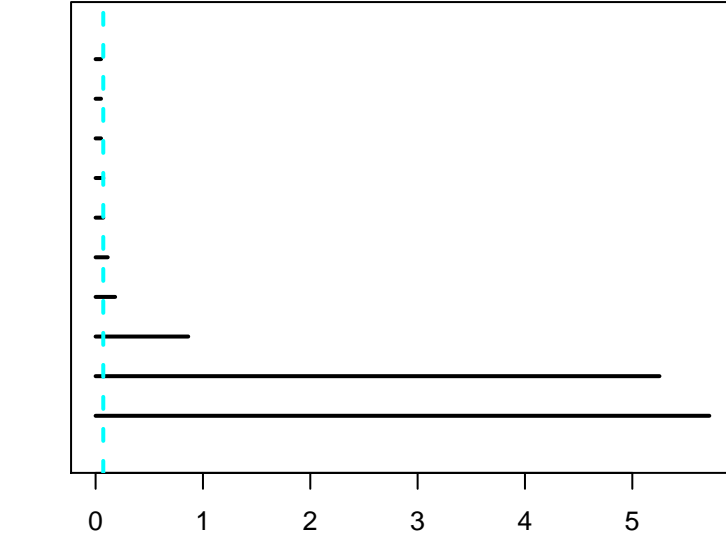
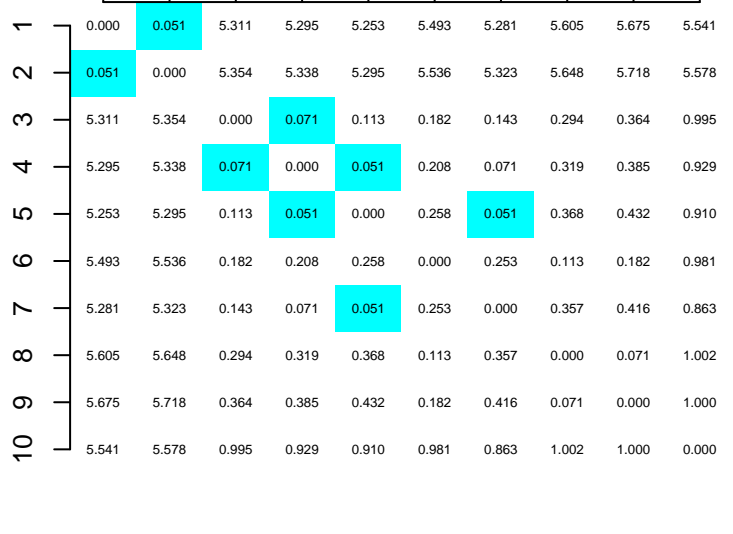
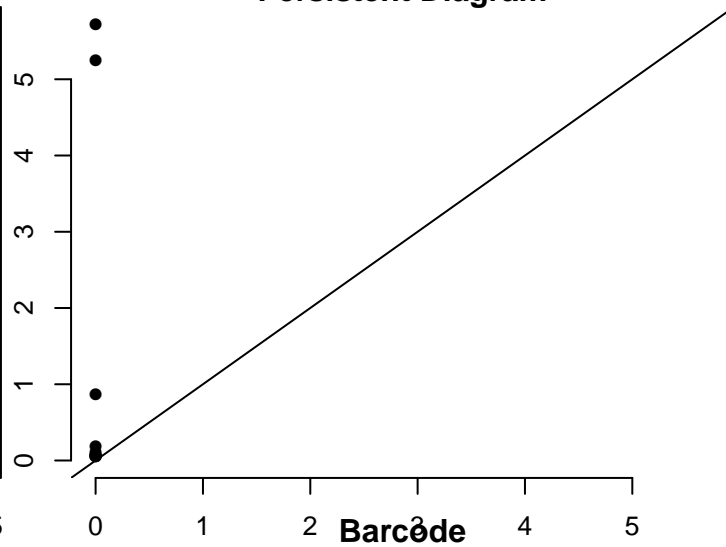
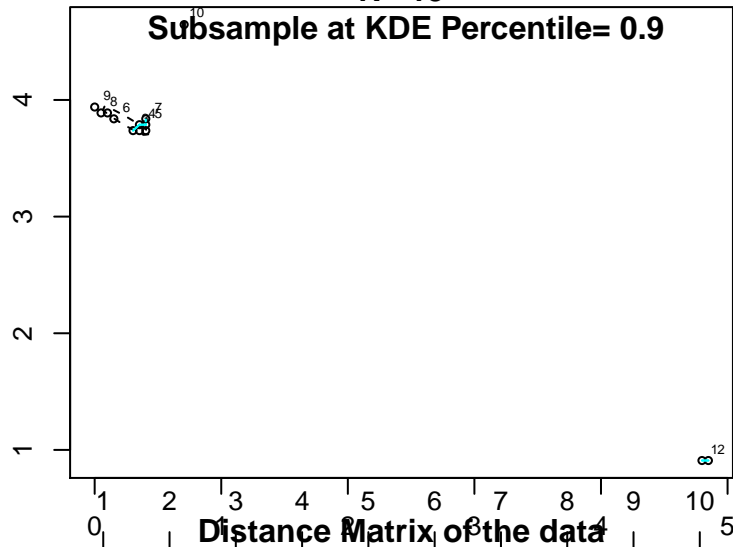


This is the 'Frame' at Euclidean distance = 0.0714

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9

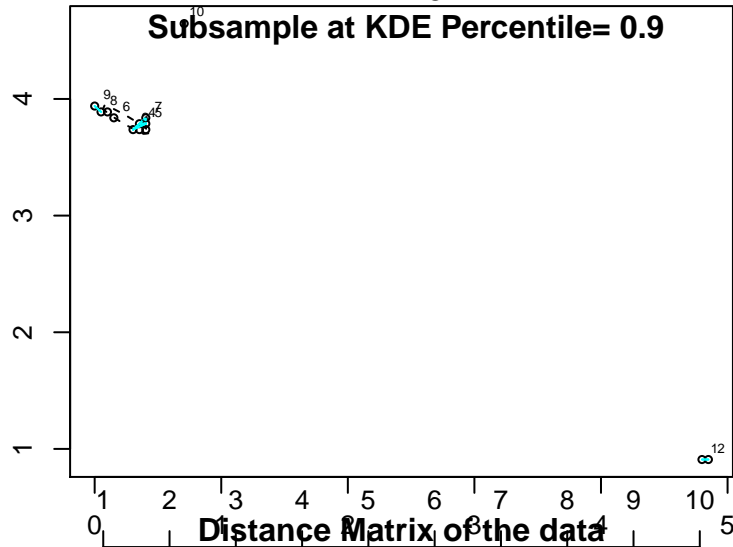


This is the 'Frame' at Euclidean distance = 0.113

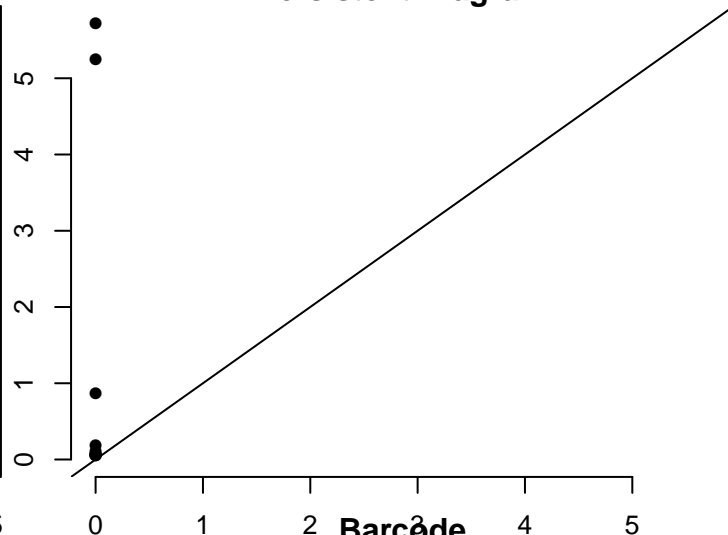
N= 13

Persistent Diagram

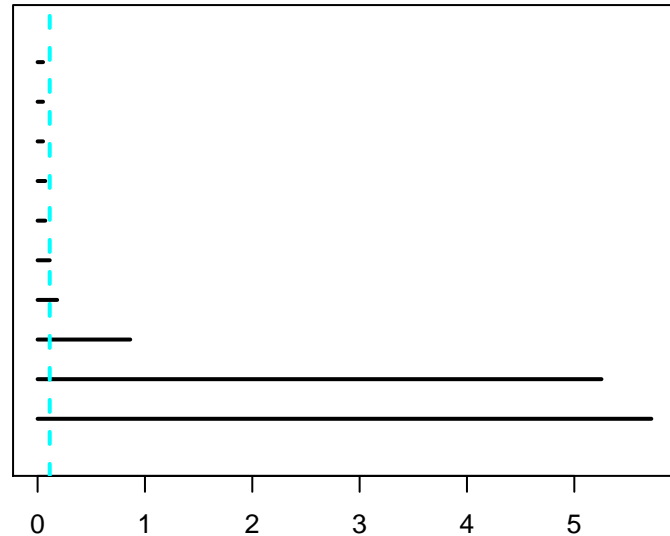
Subsample at KDE Percentile= 0.9



Distance Matrix of the data



Barcode

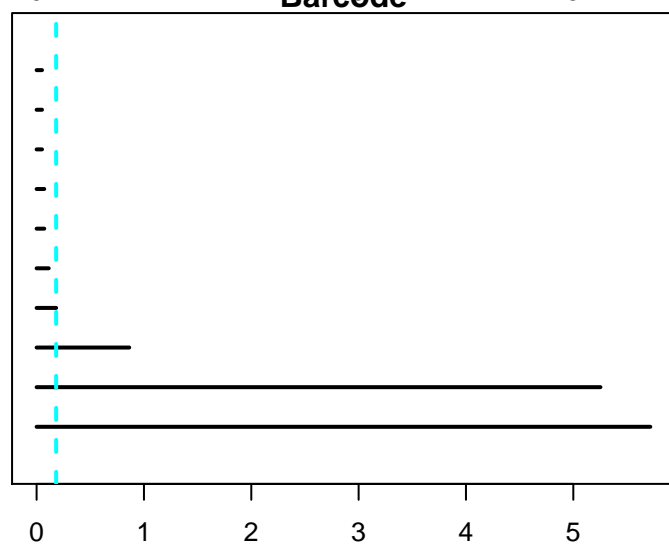
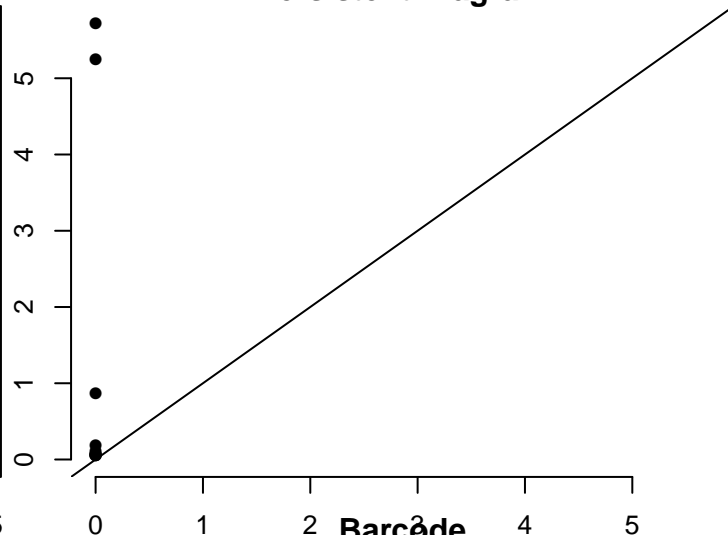
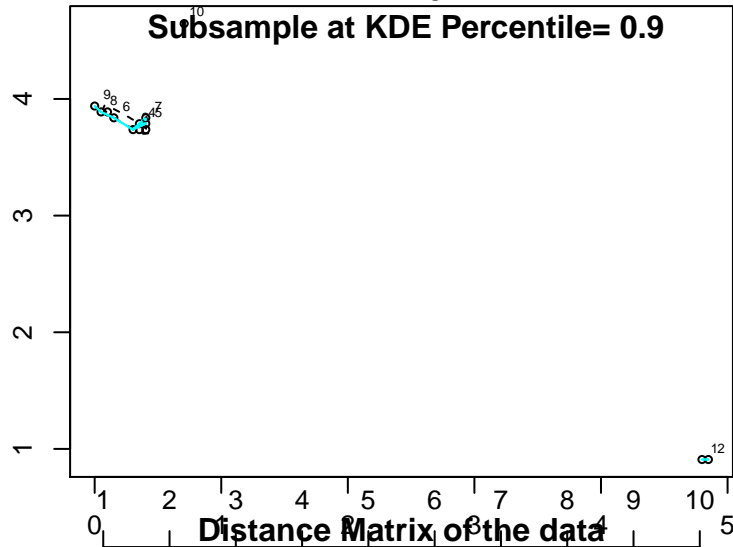


This is the 'Frame' at Euclidean distance = 0.182

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9

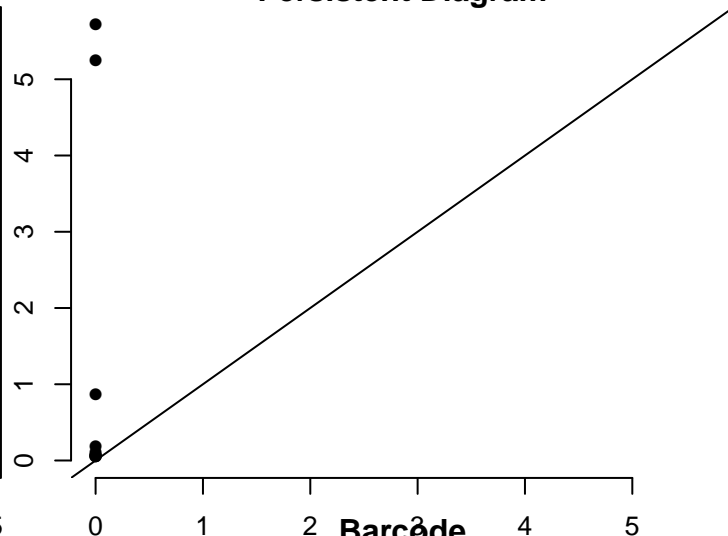
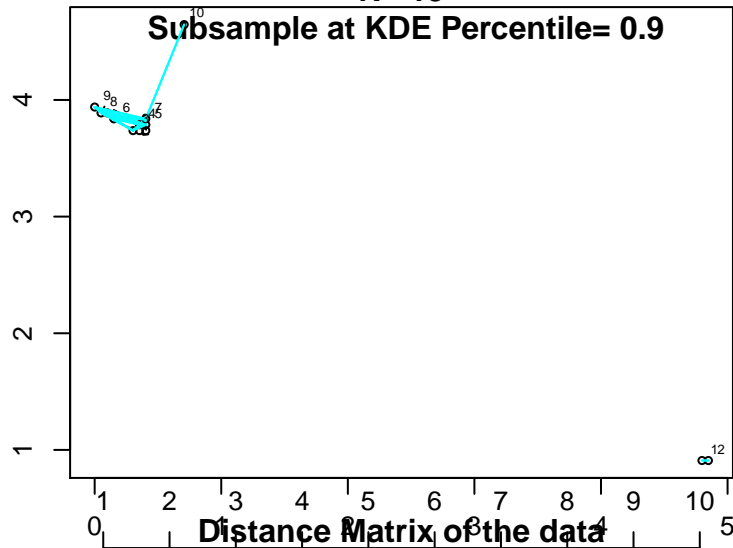


This is the 'Frame' at Euclidean distance = 0.863

N= 13

Persistent Diagram

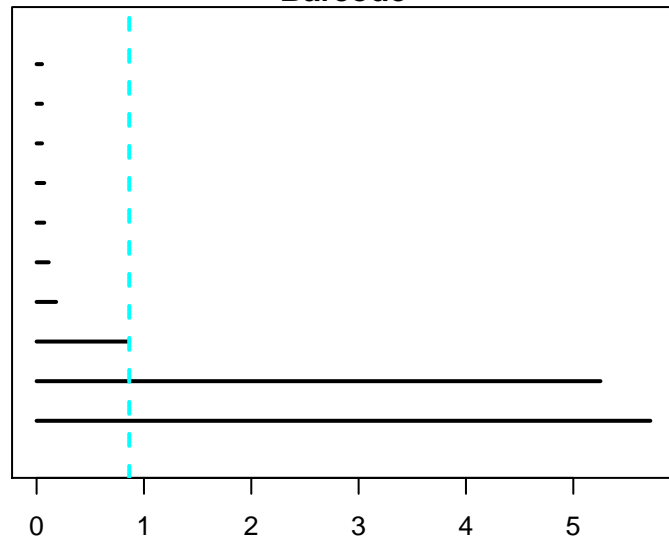
Subsample at KDE Percentile= 0.9



Distance Matrix of the data



Barcode

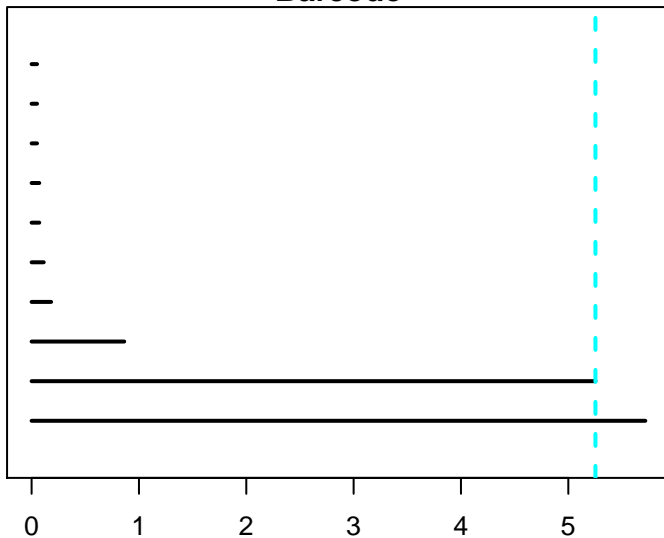
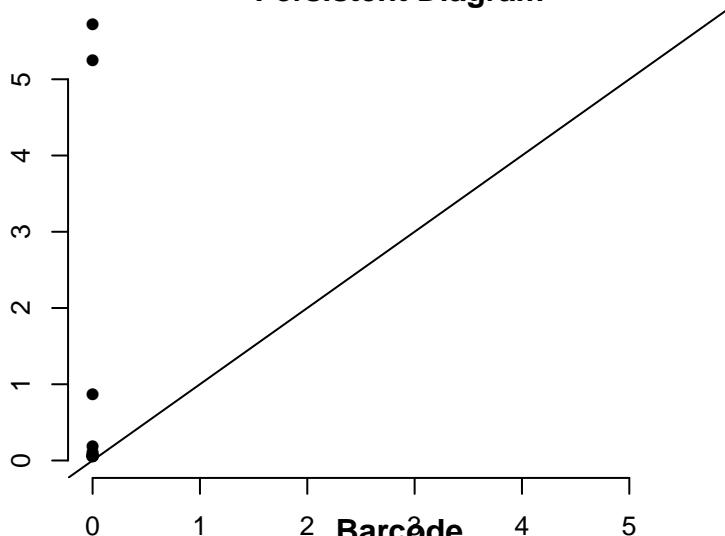
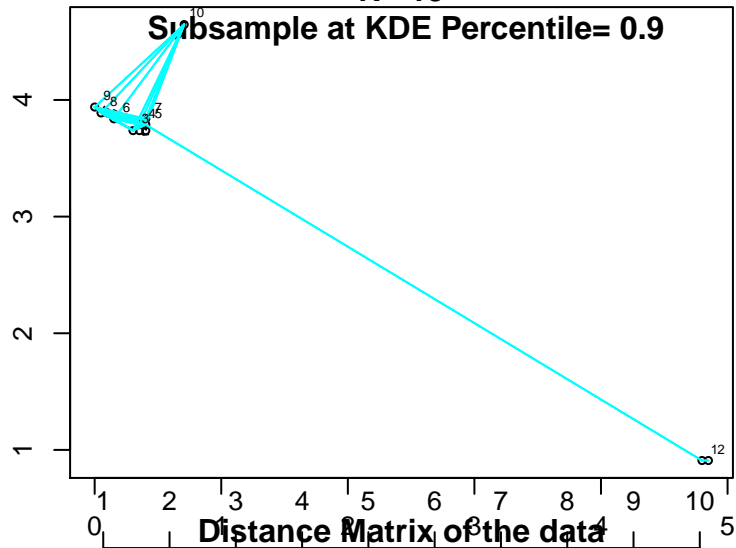


This is the 'Frame' at Euclidean distance = 5.25

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9

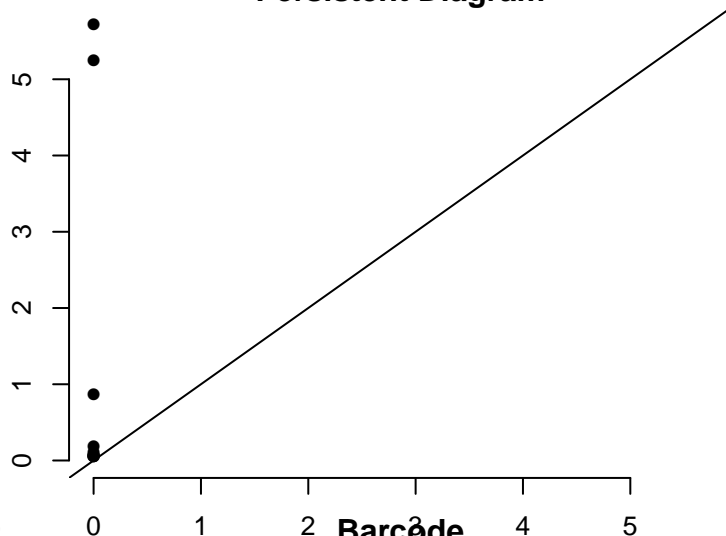
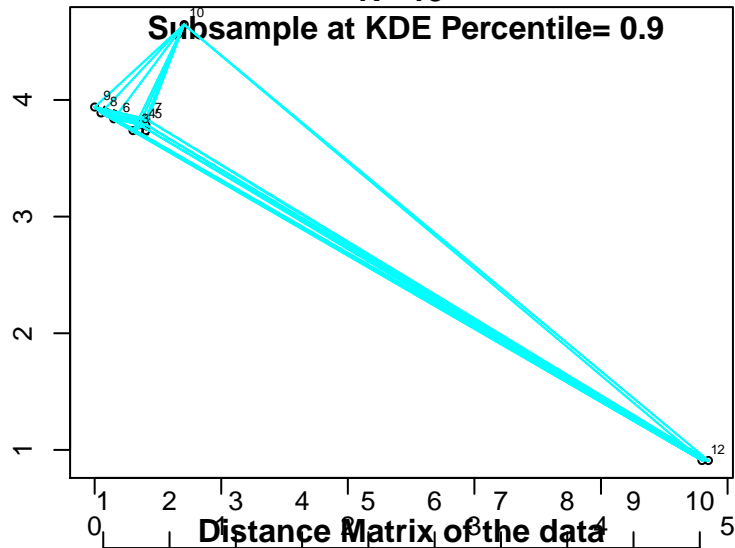


This is the 'Frame' at Euclidean distance = 5.72

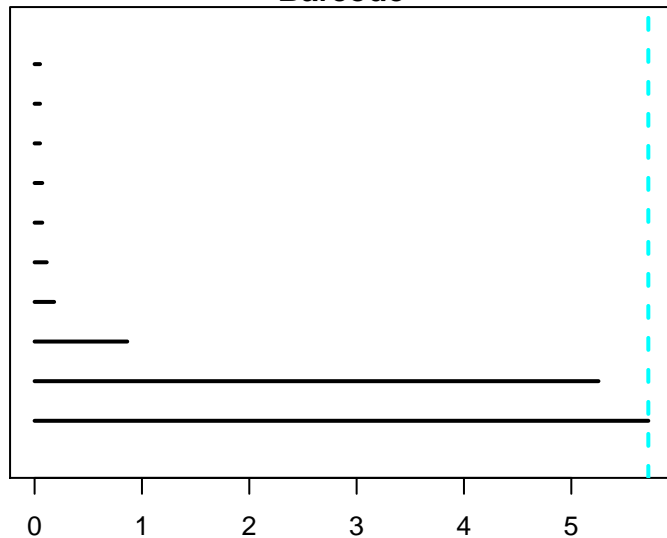
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.9



Distance Matrix of the data

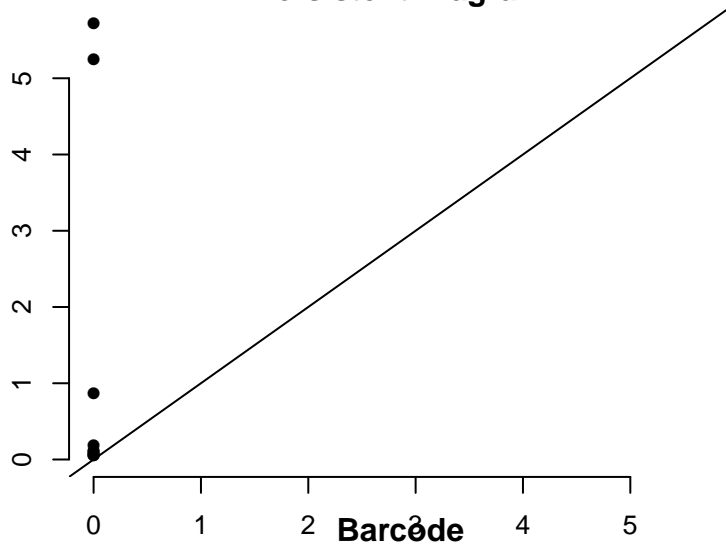
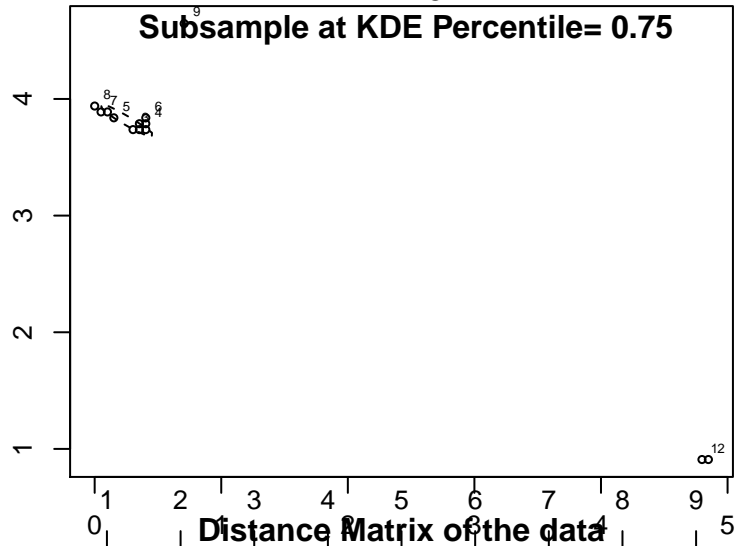


excursion set of Gaussian process, percentile .75

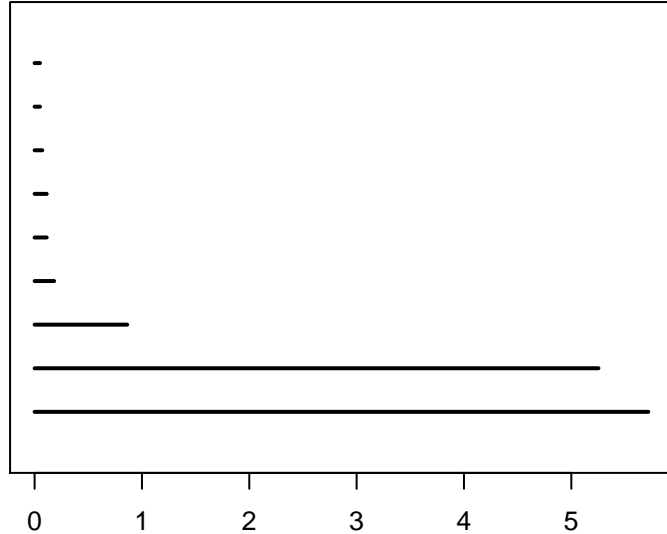
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.75



	0	1	2	3	4	5	6	7	8	9
0	0.000	0.051	5.311	5.253	5.493	5.281	5.605	5.675	5.541	
1	0.051	0.000	5.354	5.295	5.536	5.323	5.648	5.718	5.578	
2	5.311	5.354	0.000	0.113	0.182	0.143	0.294	0.364	0.995	
3	5.253	5.295	0.113	0.000	0.258	0.051	0.368	0.432	0.910	
4	5.493	5.536	0.182	0.258	0.000	0.253	0.113	0.182	0.981	
5	5.281	5.323	0.143	0.051	0.253	0.000	0.357	0.416	0.863	
6	5.605	5.648	0.294	0.368	0.113	0.357	0.000	0.071	1.002	
7	5.675	5.718	0.364	0.432	0.182	0.416	0.071	0.000	1.000	
8	5.541	5.578	0.995	0.910	0.981	0.863	1.002	1.000	0.000	
9										

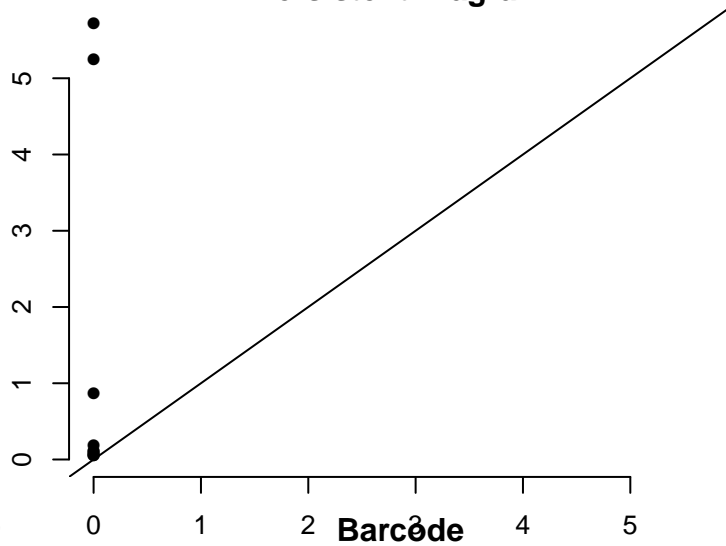
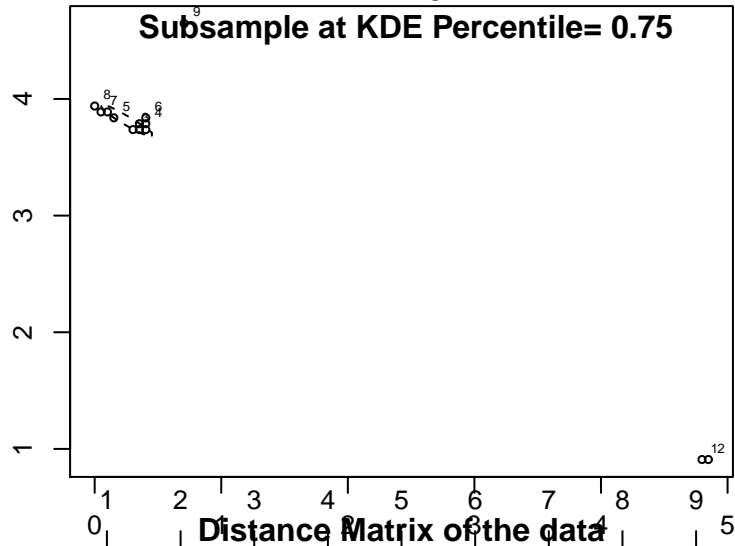


This is the 'Frame' at Euclidean distance = 0

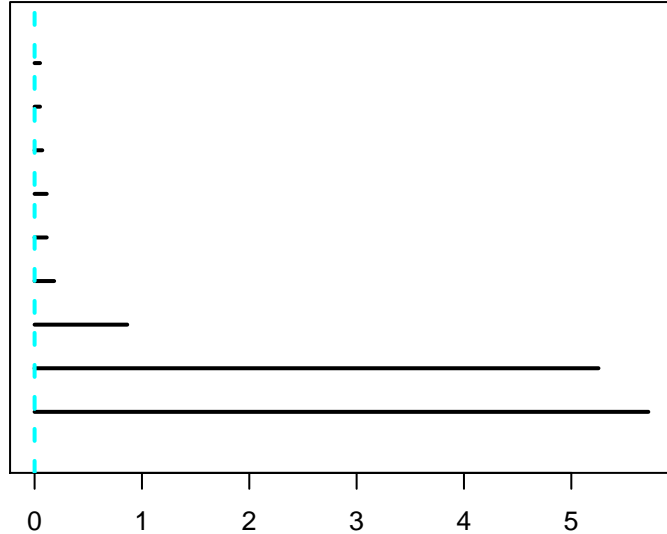
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.051	5.311	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.113	0.182	0.143	0.294	0.364	0.995
4	5.253	5.295	0.113	0.000	0.258	0.051	0.368	0.432	0.910
5	5.493	5.536	0.182	0.258	0.000	0.253	0.113	0.182	0.981
6	5.281	5.323	0.143	0.051	0.253	0.000	0.357	0.416	0.863
7	5.605	5.648	0.294	0.368	0.113	0.357	0.000	0.071	1.002
8	5.675	5.718	0.364	0.432	0.182	0.416	0.071	0.000	1.000
9	5.541	5.578	0.995	0.910	0.981	0.863	1.002	1.000	0.000

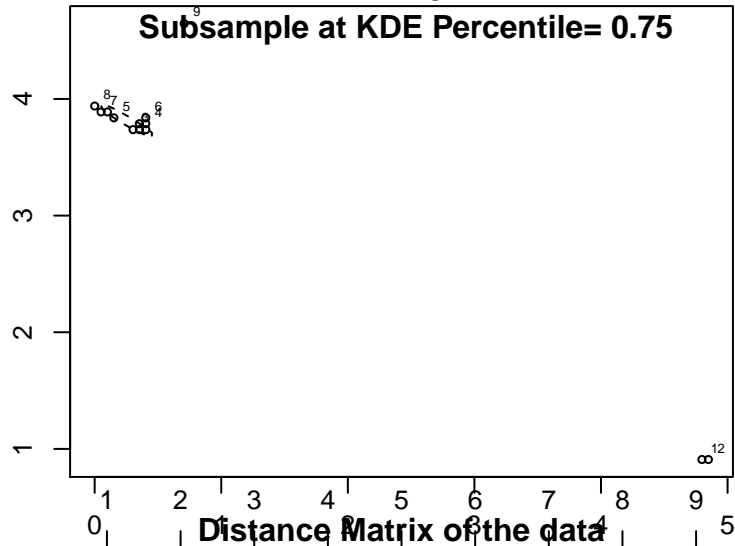


This is the 'Frame' at Euclidean distance = 0.0505

N= 13

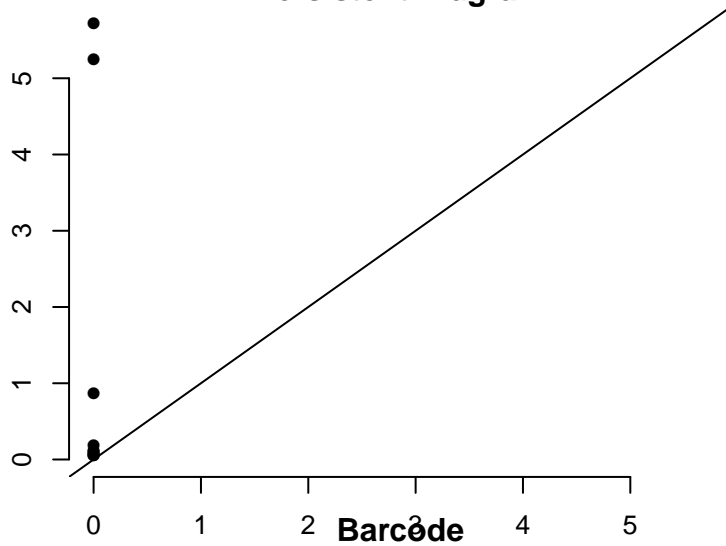
Persistent Diagram

Subsample at KDE Percentile= 0.75

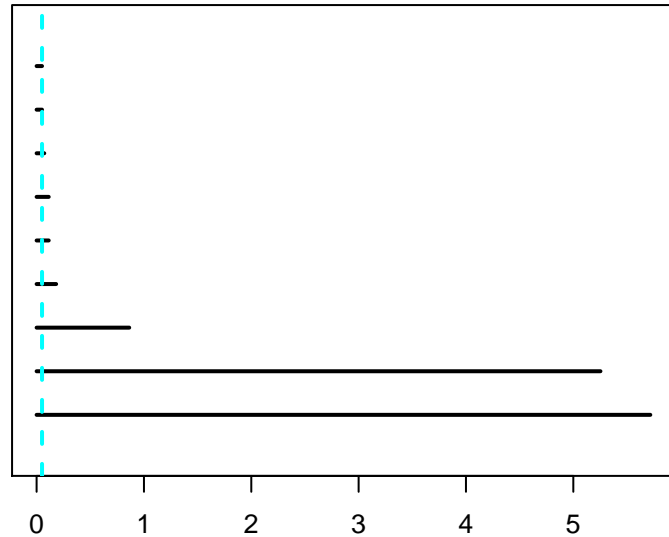


Distance Matrix of the data

1	0.000	0.051	5.311	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.113	0.182	0.143	0.294	0.364	0.995
4	5.253	5.295	0.113	0.000	0.258	0.051	0.368	0.432	0.910
5	5.493	5.536	0.182	0.258	0.000	0.253	0.113	0.182	0.981
6	5.281	5.323	0.143	0.051	0.253	0.000	0.357	0.416	0.863
7	5.605	5.648	0.294	0.368	0.113	0.357	0.000	0.071	1.002
8	5.675	5.718	0.364	0.432	0.182	0.416	0.071	0.000	1.000
9	5.541	5.578	0.995	0.910	0.981	0.863	1.002	1.000	0.000



Barcode

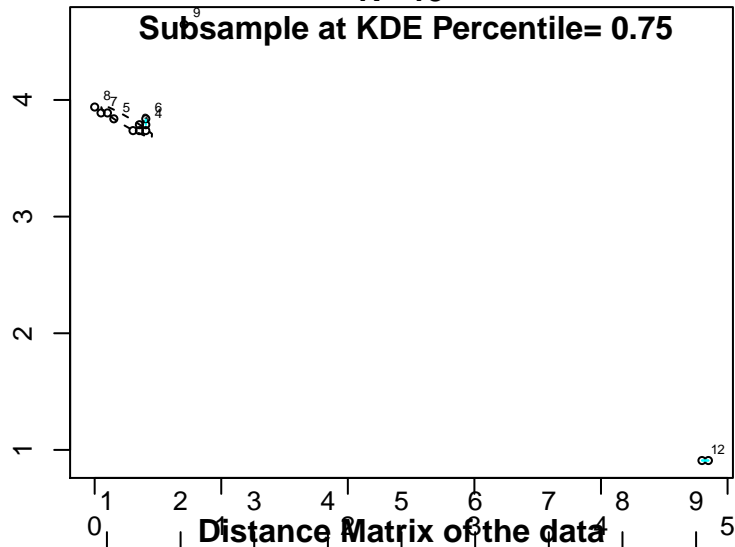


This is the 'Frame' at Euclidean distance = 0.0505

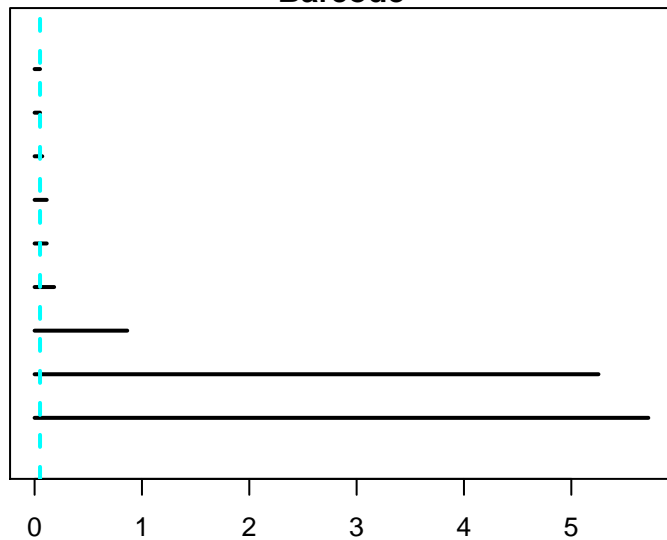
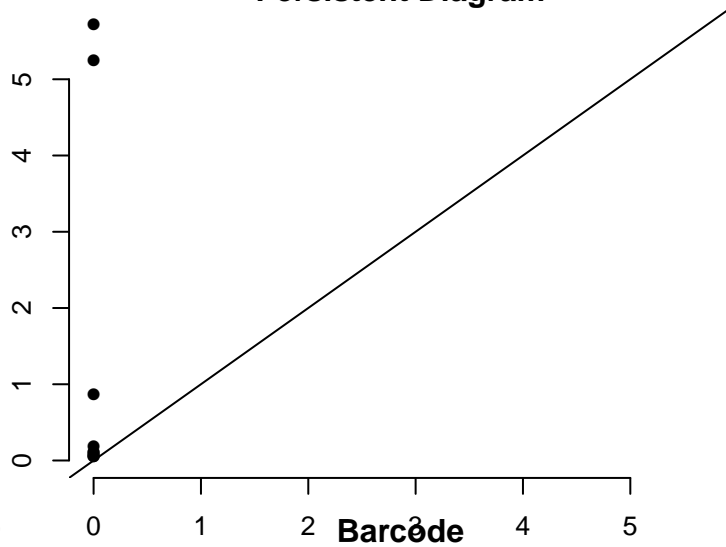
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.051	5.311	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.113	0.182	0.143	0.294	0.364	0.995
4	5.253	5.295	0.113	0.000	0.258	0.051	0.368	0.432	0.910
5	5.493	5.536	0.182	0.258	0.000	0.253	0.113	0.182	0.981
6	5.281	5.323	0.143	0.051	0.253	0.000	0.357	0.416	0.863
7	5.605	5.648	0.294	0.368	0.113	0.357	0.000	0.071	1.002
8	5.675	5.718	0.364	0.432	0.182	0.416	0.071	0.000	1.000
9	5.541	5.578	0.995	0.910	0.981	0.863	1.002	1.000	0.000

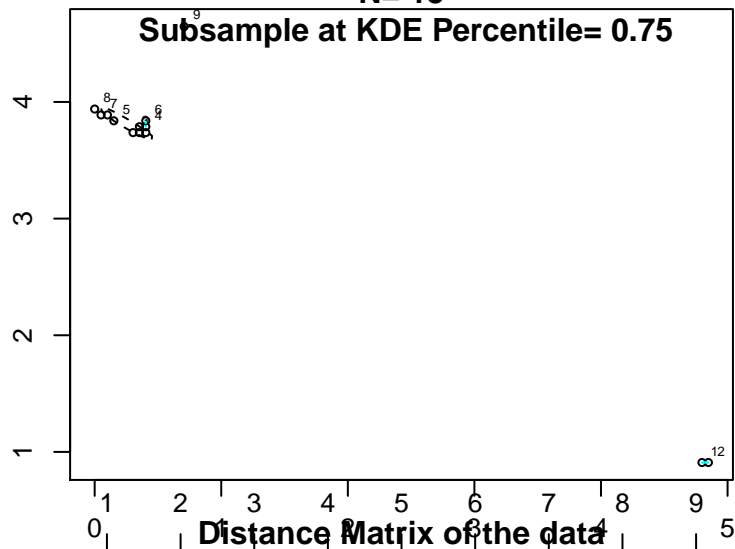


This is the 'Frame' at Euclidean distance = 0.0714

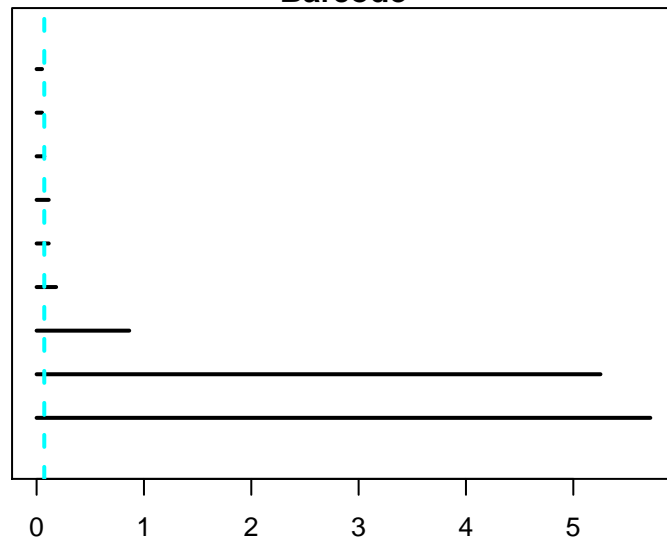
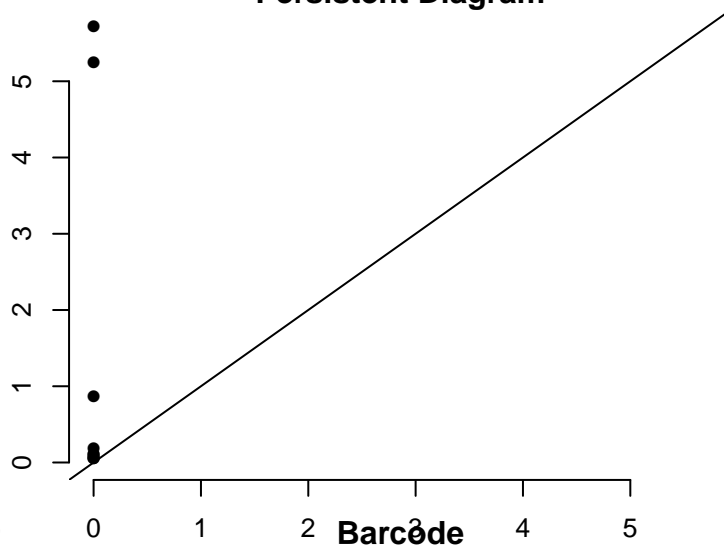
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.051	5.311	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.113	0.182	0.143	0.294	0.364	0.995
4	5.253	5.295	0.113	0.000	0.258	0.051	0.368	0.432	0.910
5	5.493	5.536	0.182	0.258	0.000	0.253	0.113	0.182	0.981
6	5.281	5.323	0.143	0.051	0.253	0.000	0.357	0.416	0.863
7	5.605	5.648	0.294	0.368	0.113	0.357	0.000	0.071	1.002
8	5.675	5.718	0.364	0.432	0.182	0.416	0.071	0.000	1.000
9	5.541	5.578	0.995	0.910	0.981	0.863	1.002	1.000	0.000

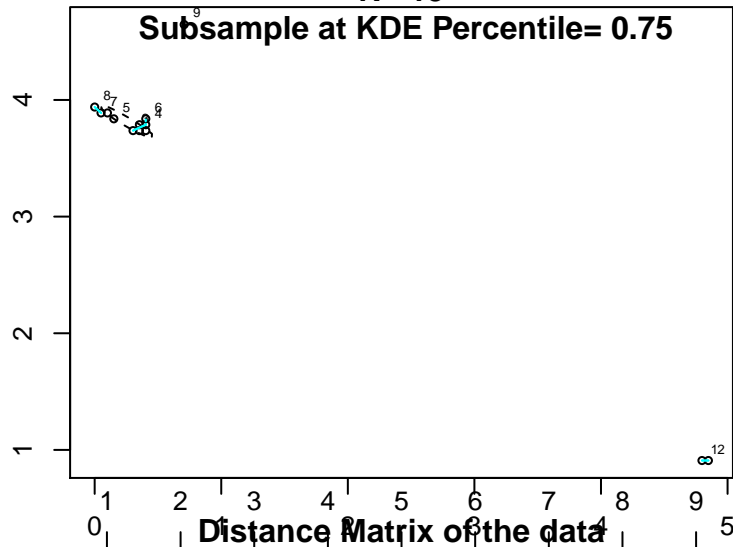


This is the 'Frame' at Euclidean distance = 0.113

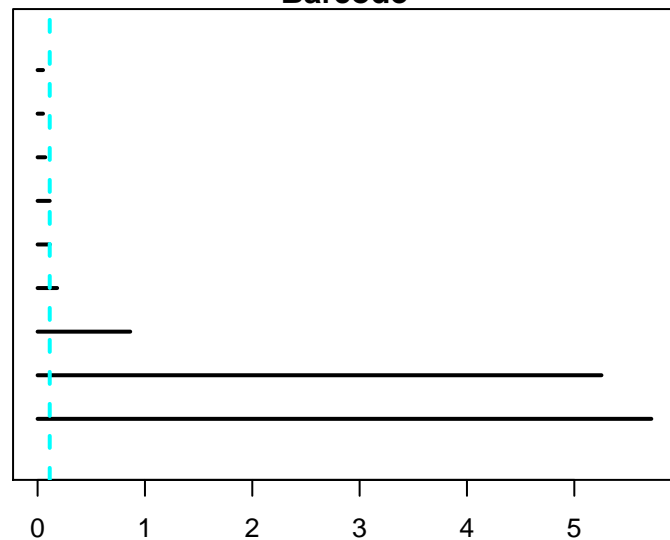
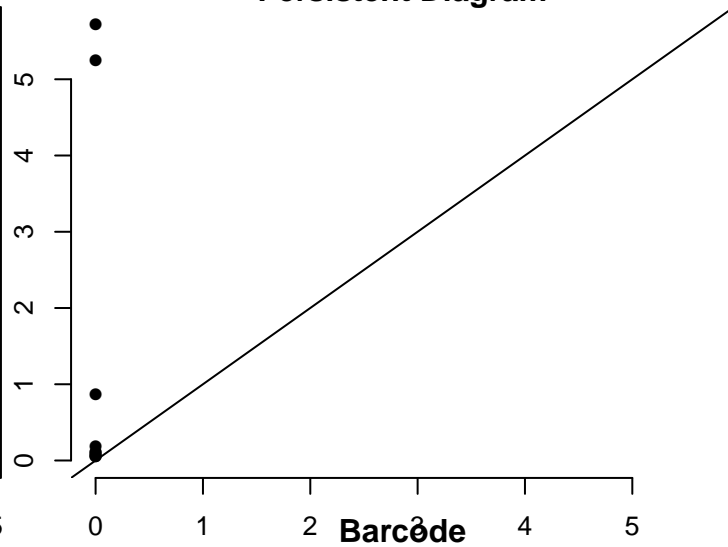
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.051	5.311	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.113	0.182	0.143	0.294	0.364	0.995
4	5.253	5.295	0.113	0.000	0.258	0.051	0.368	0.432	0.910
5	5.493	5.536	0.182	0.258	0.000	0.253	0.113	0.182	0.981
6	5.281	5.323	0.143	0.051	0.253	0.000	0.357	0.416	0.863
7	5.605	5.648	0.294	0.368	0.113	0.357	0.000	0.071	1.002
8	5.675	5.718	0.364	0.432	0.182	0.416	0.071	0.000	1.000
9	5.541	5.578	0.995	0.910	0.981	0.863	1.002	1.000	0.000

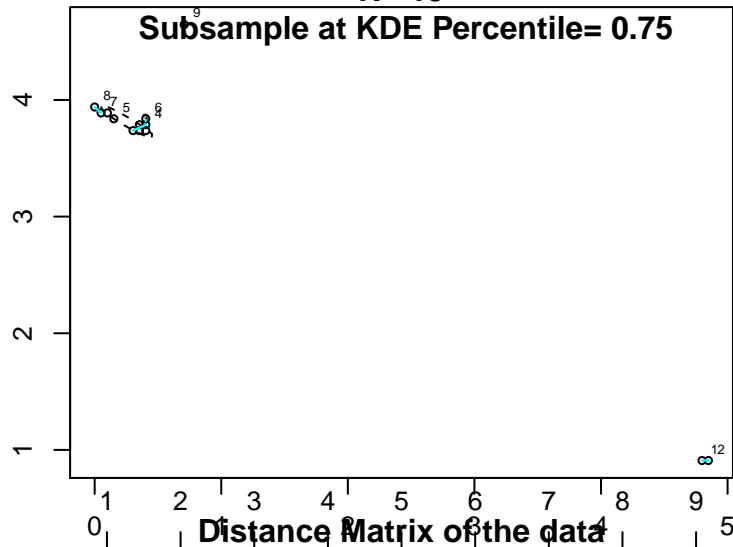


This is the 'Frame' at Euclidean distance = 0.113

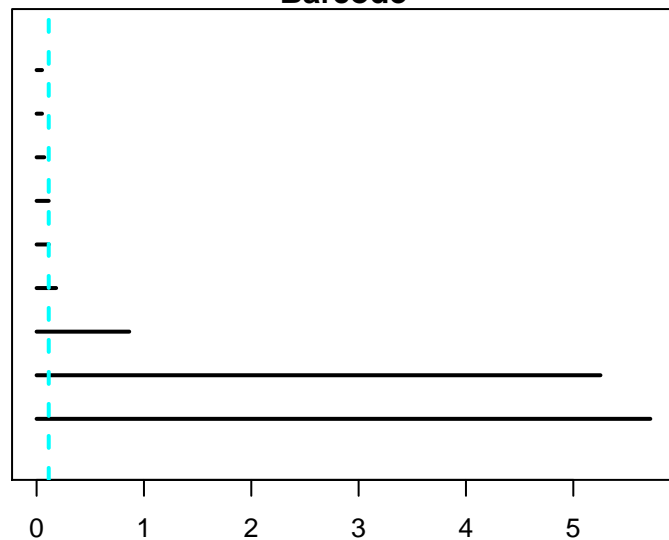
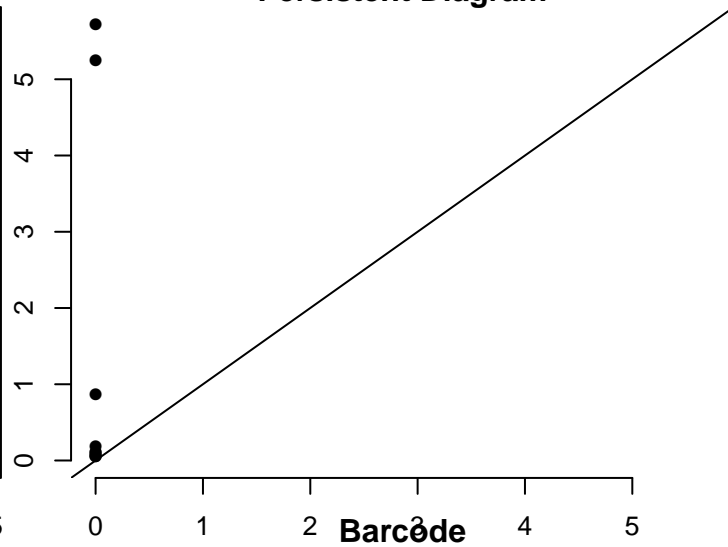
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.75



1	0.000	0.051	5.311	5.253	5.493	5.281	5.605	5.675	5.541
2	0.051	0.000	5.354	5.295	5.536	5.323	5.648	5.718	5.578
3	5.311	5.354	0.000	0.113	0.182	0.143	0.294	0.364	0.995
4	5.253	5.295	0.113	0.000	0.258	0.051	0.368	0.432	0.910
5	5.493	5.536	0.182	0.258	0.000	0.253	0.113	0.182	0.981
6	5.281	5.323	0.143	0.051	0.253	0.000	0.357	0.416	0.863
7	5.605	5.648	0.294	0.368	0.113	0.357	0.000	0.071	1.002
8	5.675	5.718	0.364	0.432	0.182	0.416	0.071	0.000	1.000
9	5.541	5.578	0.995	0.910	0.981	0.863	1.002	1.000	0.000

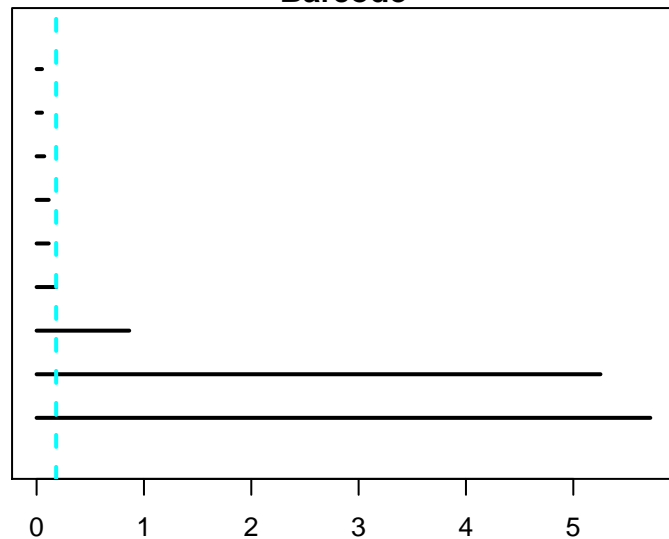
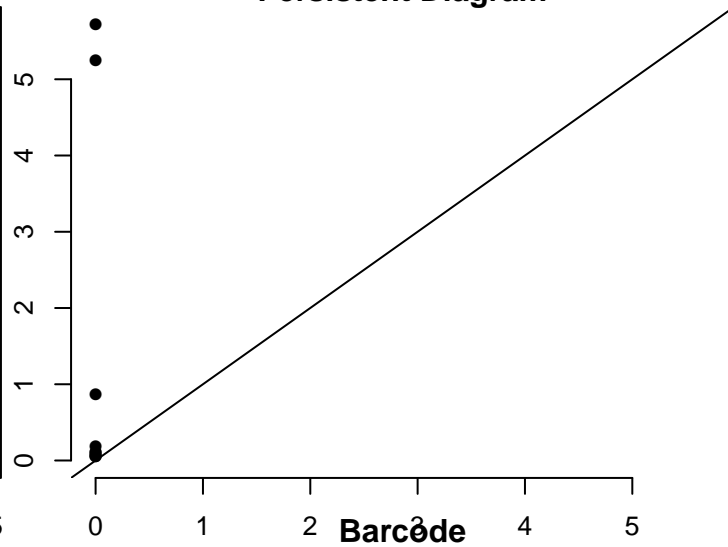
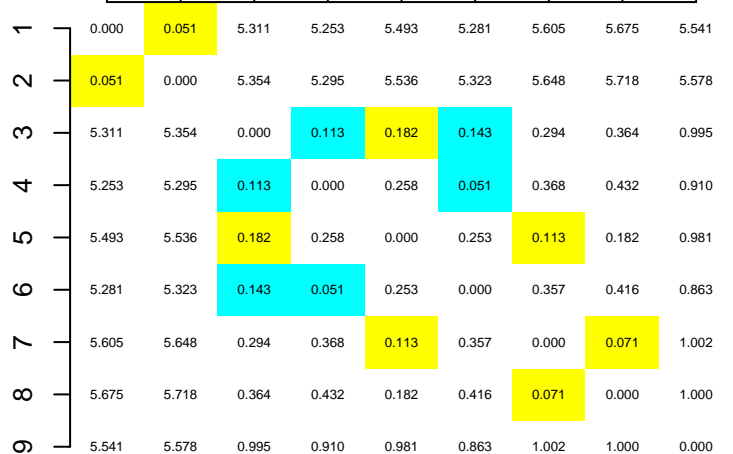
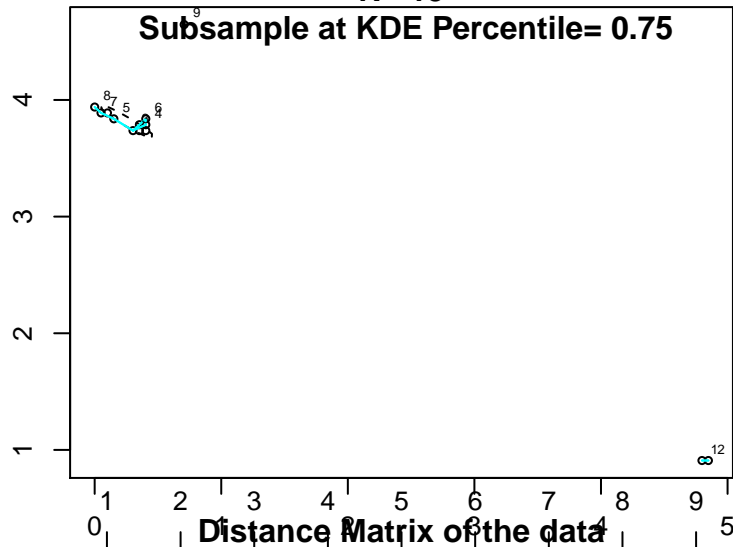


This is the 'Frame' at Euclidean distance = 0.182

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.75

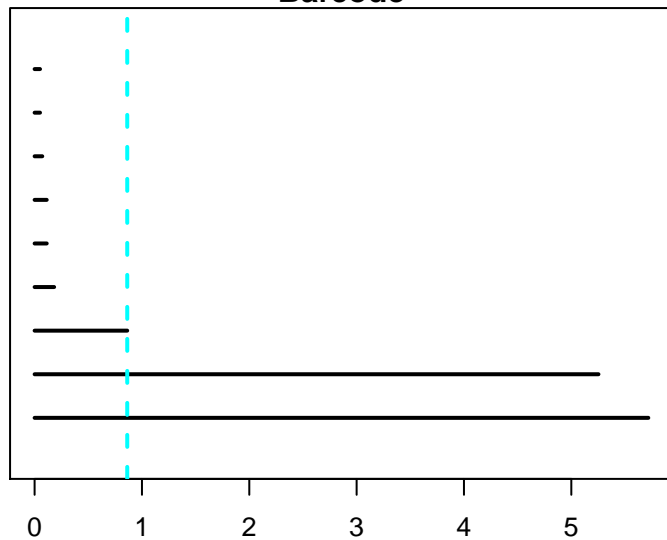
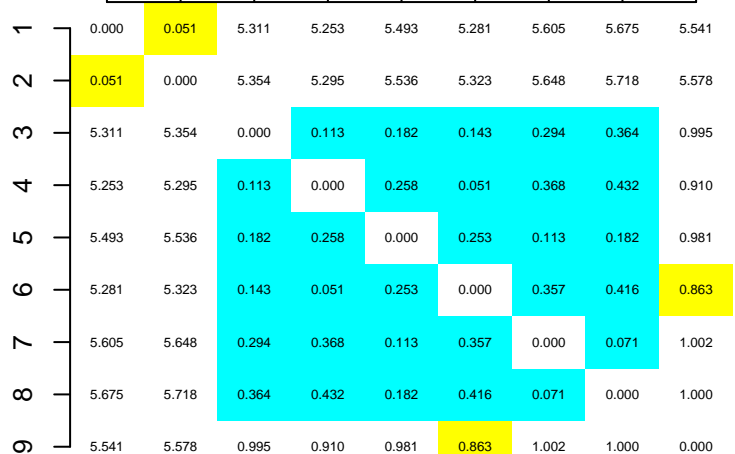
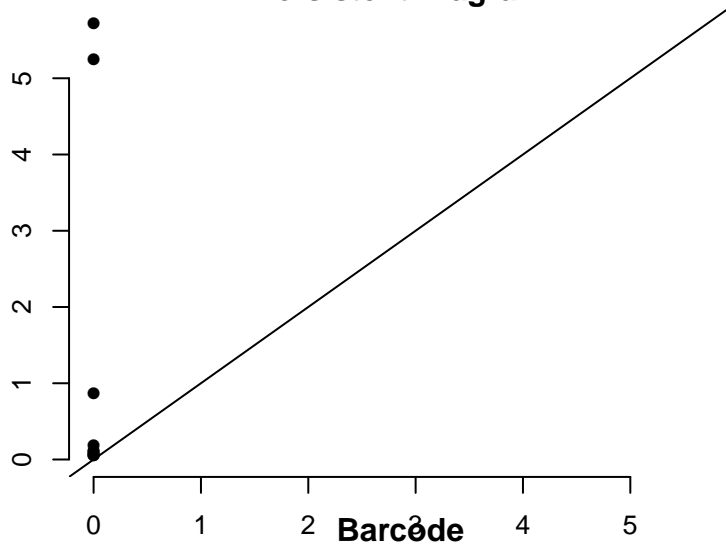
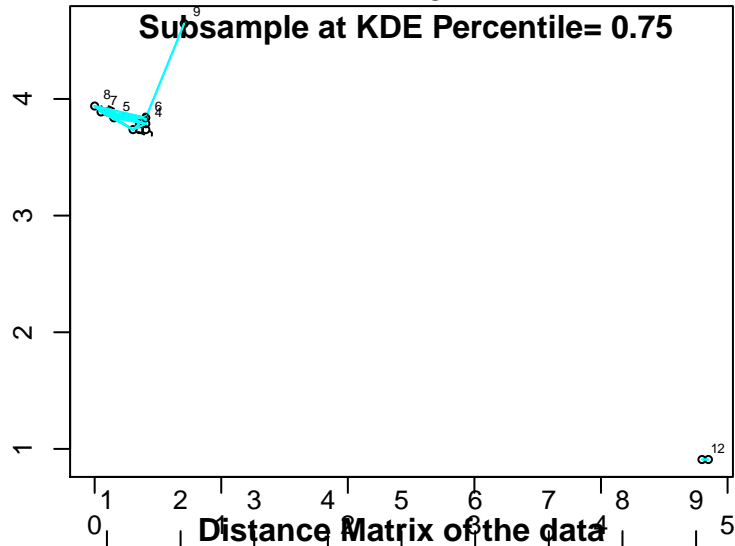


This is the 'Frame' at Euclidean distance = 0.863

N= 13

Persistent Diagram

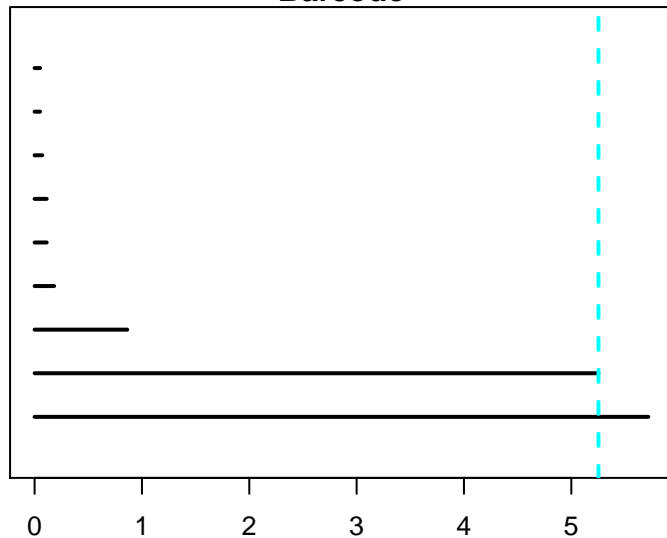
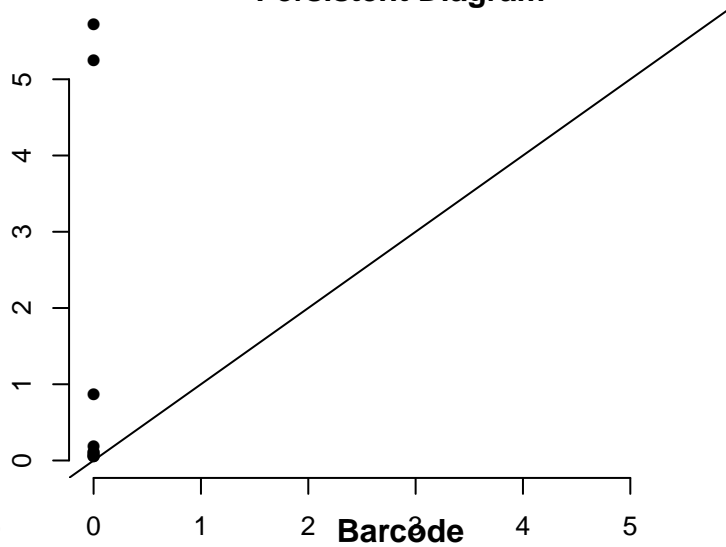
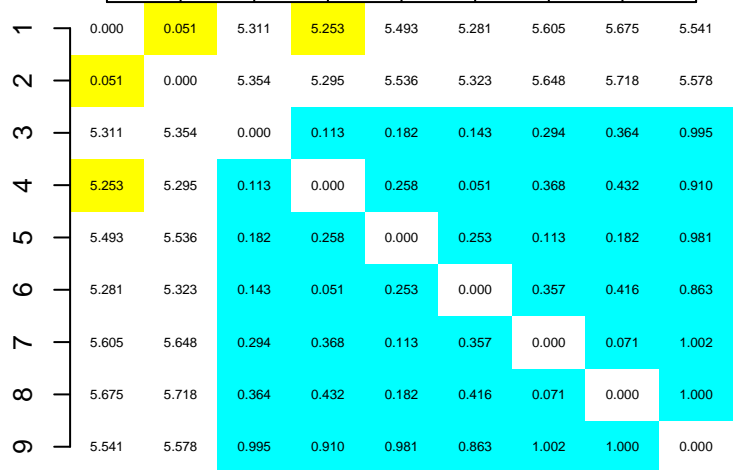
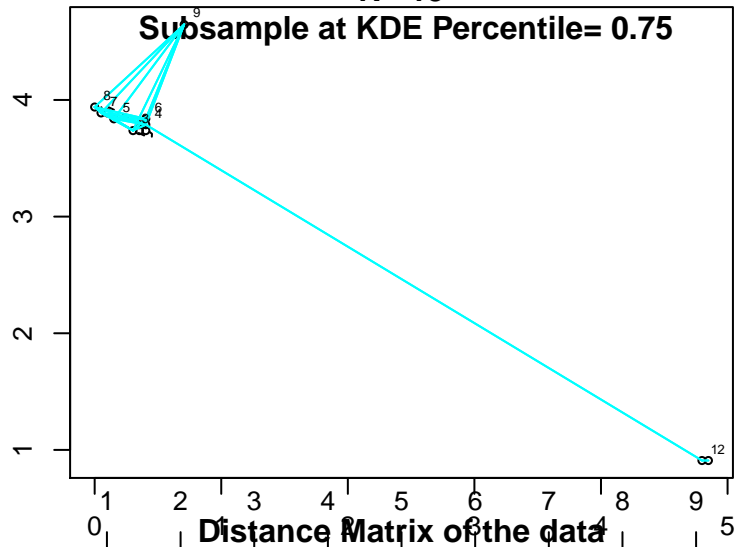
Subsample at KDE Percentile= 0.75



This is the 'Frame' at Euclidean distance = 5.25

N= 13

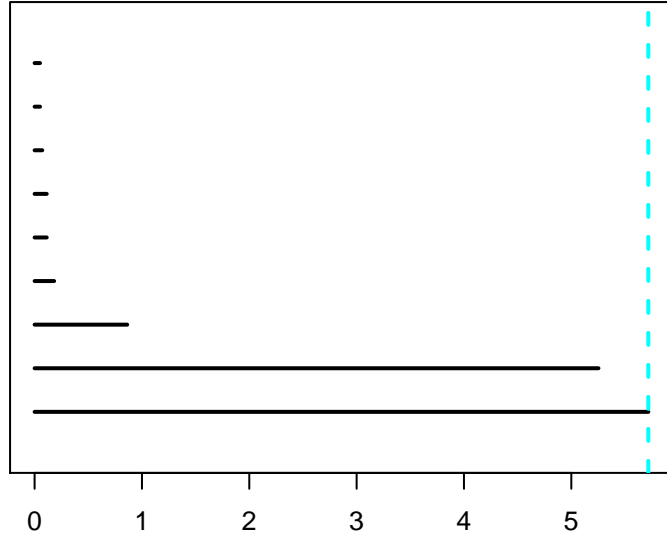
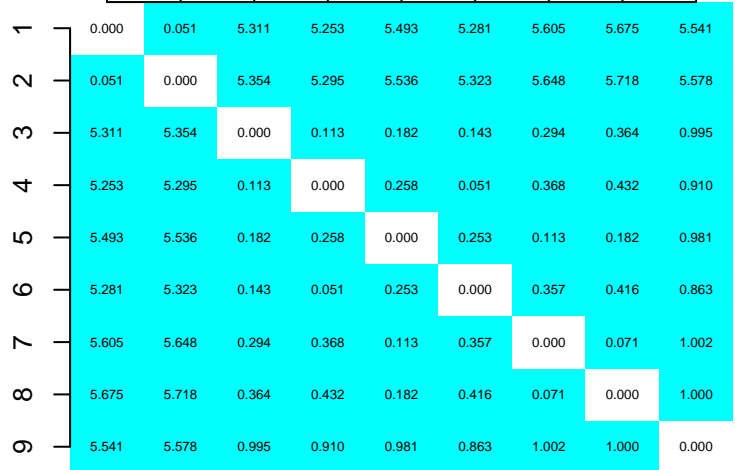
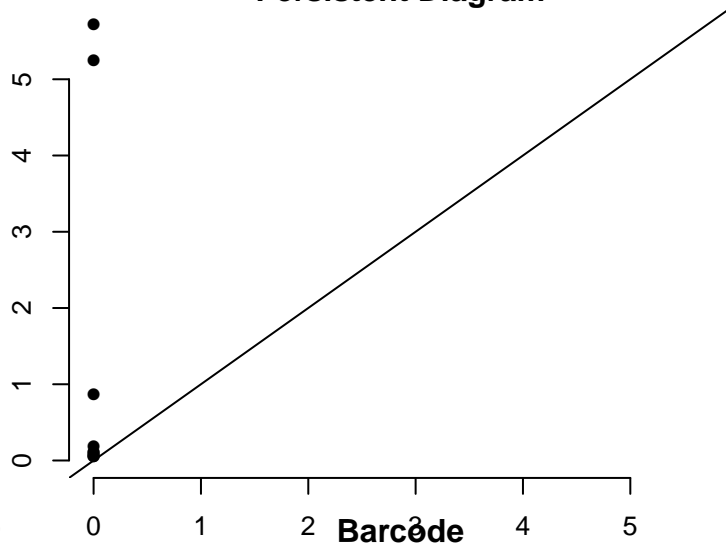
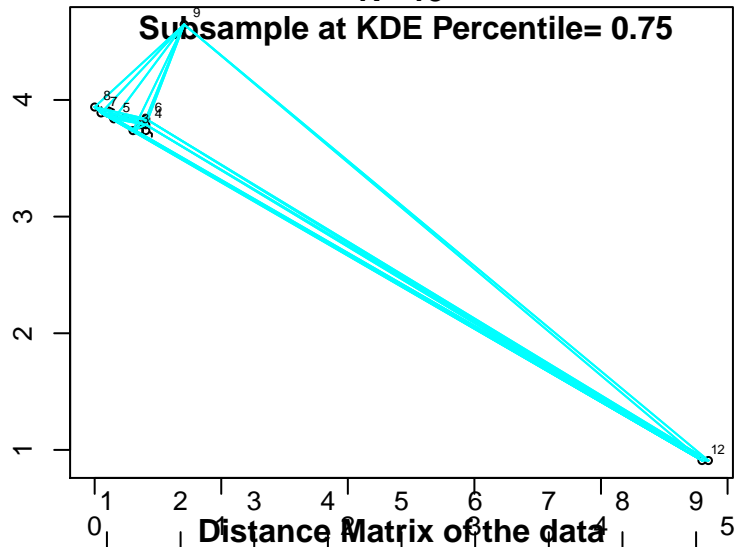
Persistent Diagram



This is the 'Frame' at Euclidean distance = 5.72

N= 13

Persistent Diagram

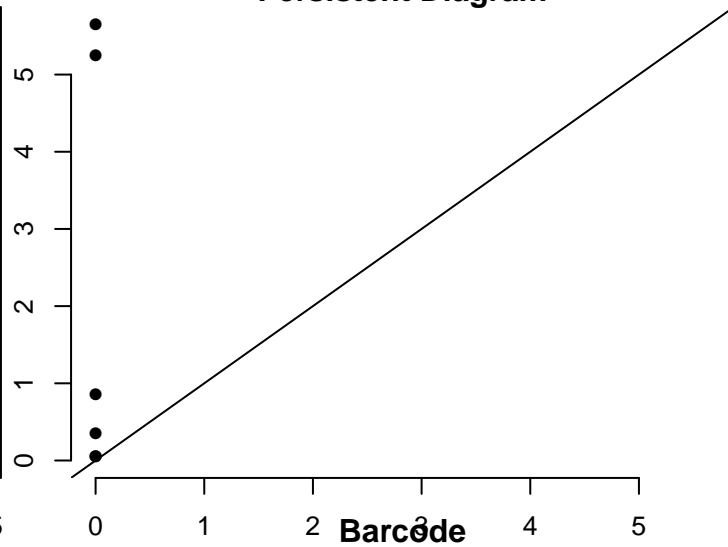
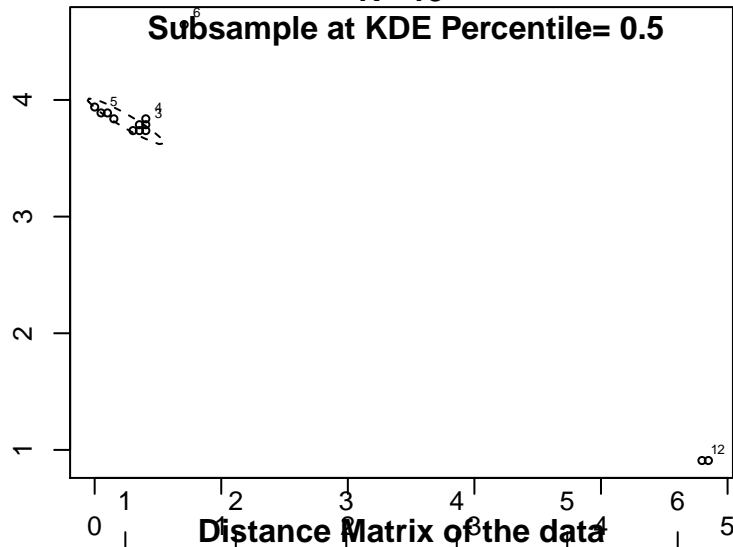


excursion set of Gaussian process, percentile .5

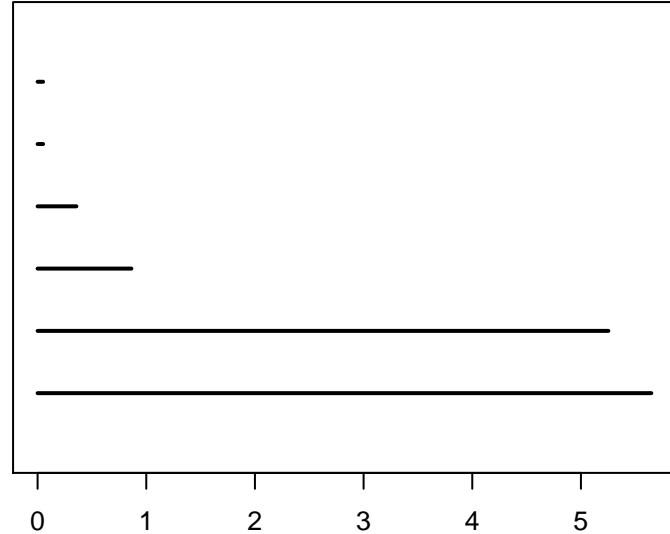
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.5



	0	1	2	3	4	5
0	0.000	0.051	5.253	5.281	5.605	5.541
1	0.051	0.000	5.295	5.323	5.648	5.578
2	5.253	5.295	0.000	0.051	0.368	0.910
3	5.281	5.323	0.051	0.000	0.357	0.863
4	5.605	5.648	0.368	0.357	0.000	1.002
5	5.541	5.578	0.910	0.863	1.002	0.000

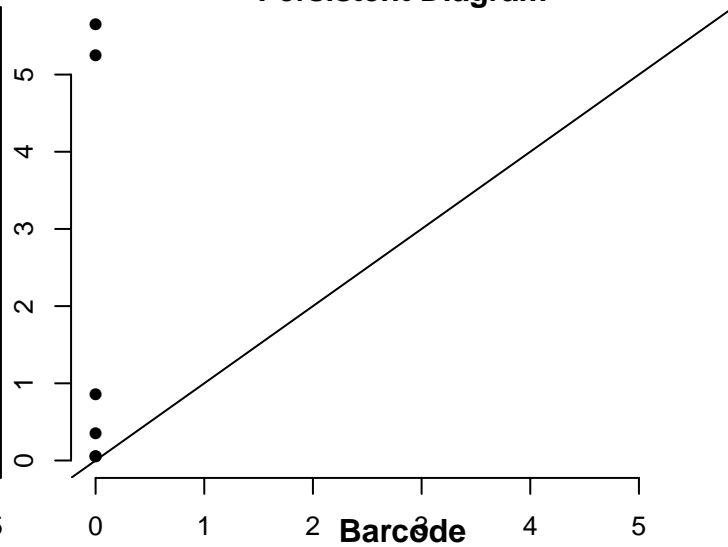
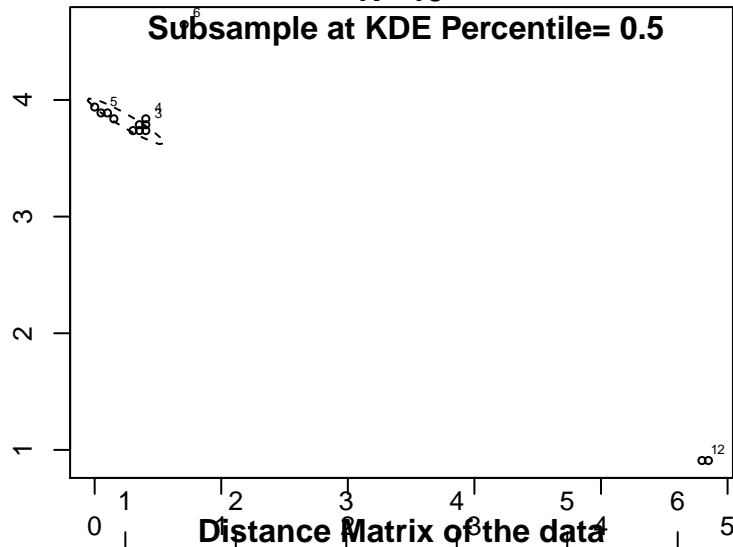


This is the 'Frame' at Euclidean distance = 0

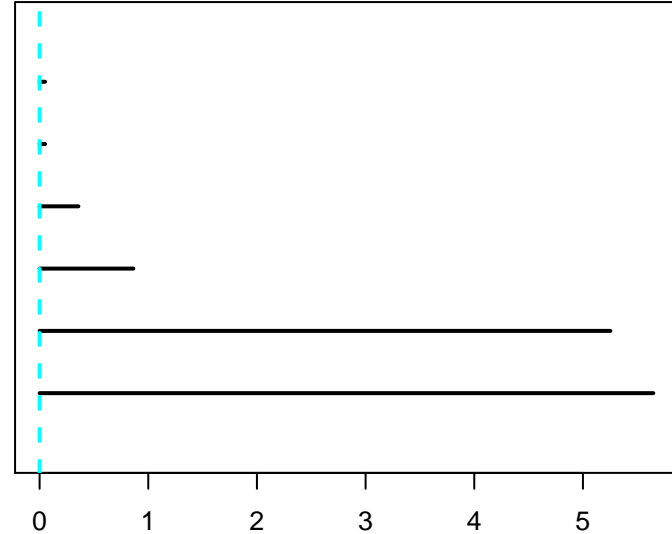
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.5



1	0.000	0.051	5.253	5.281	5.605	5.541
2	0.051	0.000	5.295	5.323	5.648	5.578
3	5.253	5.295	0.000	0.051	0.368	0.910
4	5.281	5.323	0.051	0.000	0.357	0.863
5	5.605	5.648	0.368	0.357	0.000	1.002
6	5.541	5.578	0.910	0.863	1.002	0.000

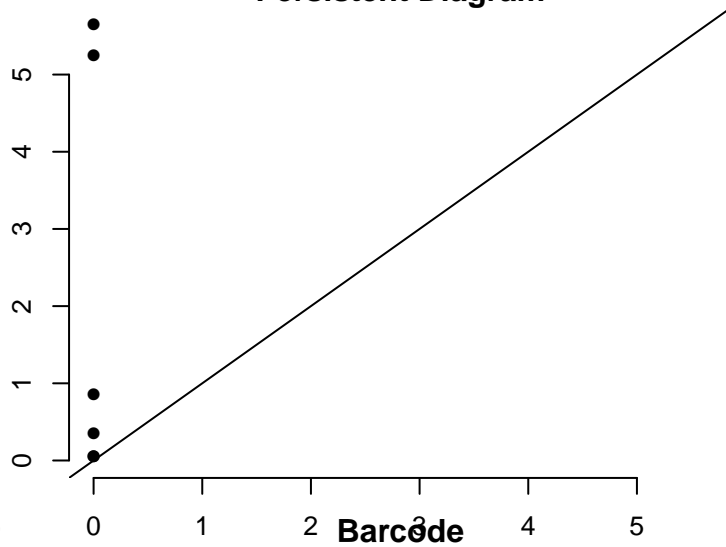
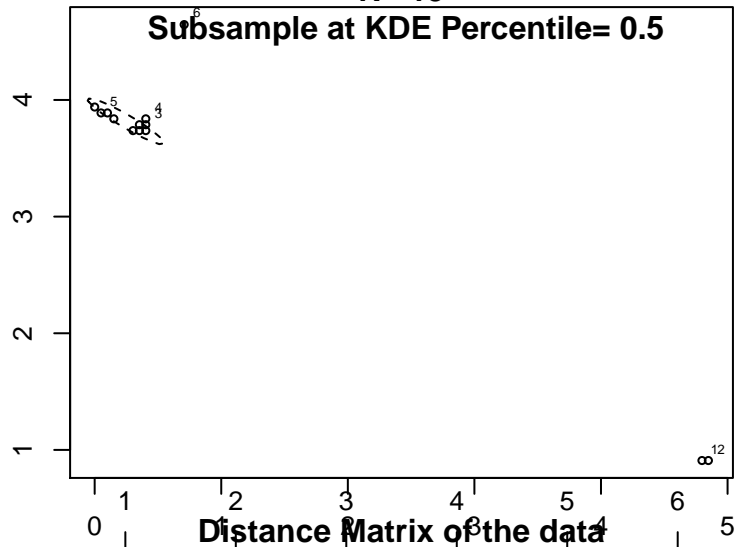


This is the 'Frame' at Euclidean distance = 0.0505

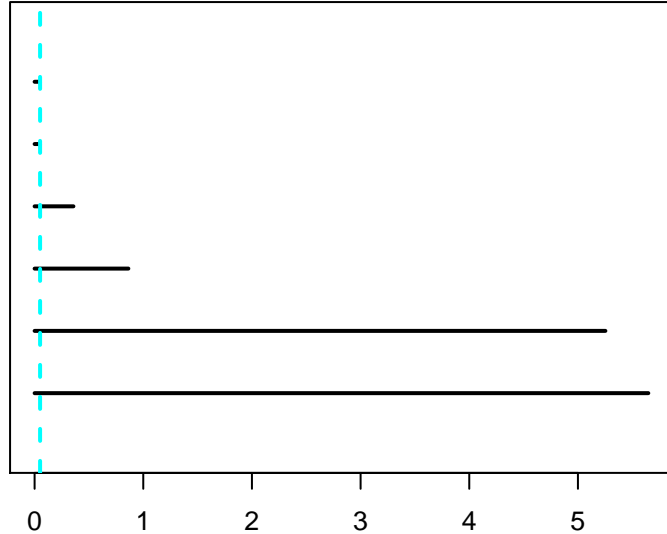
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.5



1	0.000	0.051	5.253	5.281	5.605	5.541
2	0.051	0.000	5.295	5.323	5.648	5.578
3	5.253	5.295	0.000	0.051	0.368	0.910
4	5.281	5.323	0.051	0.000	0.357	0.863
5	5.605	5.648	0.368	0.357	0.000	1.002
6	5.541	5.578	0.910	0.863	1.002	0.000

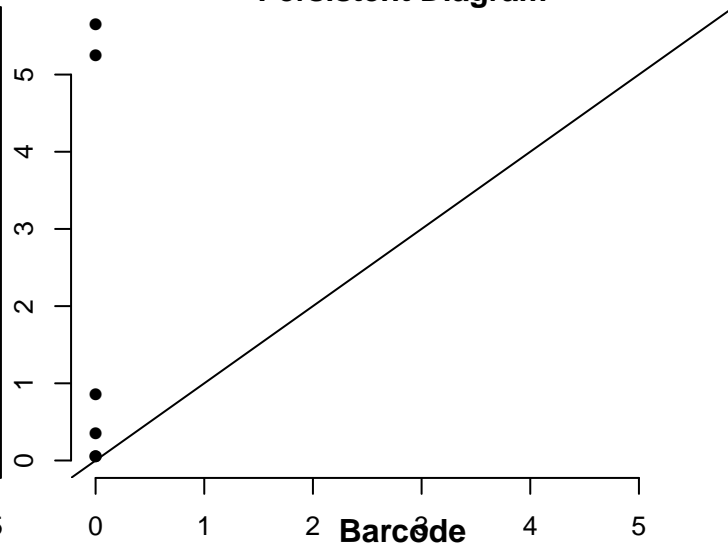
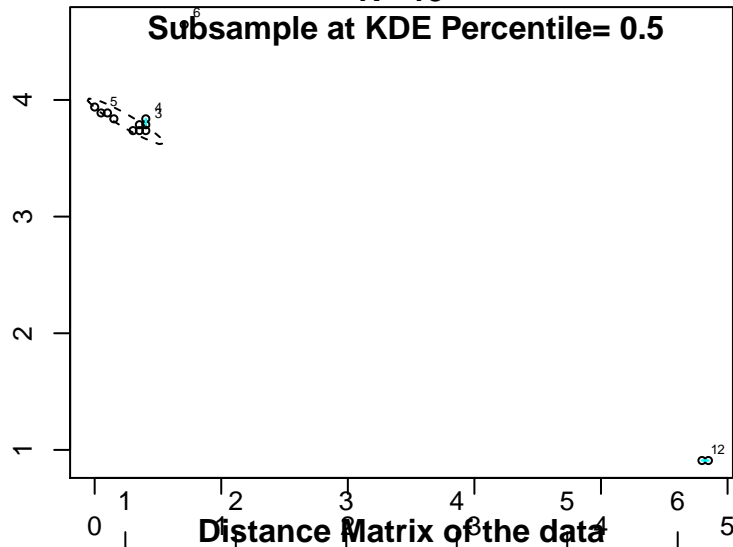


This is the 'Frame' at Euclidean distance = 0.0505

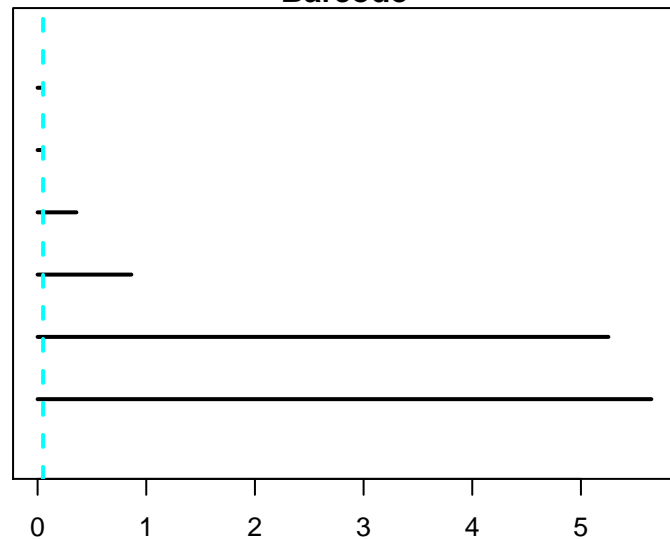
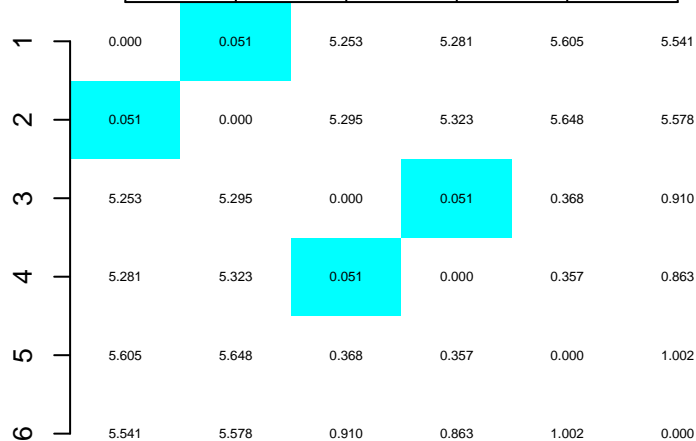
N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.5



Distance Matrix of the data

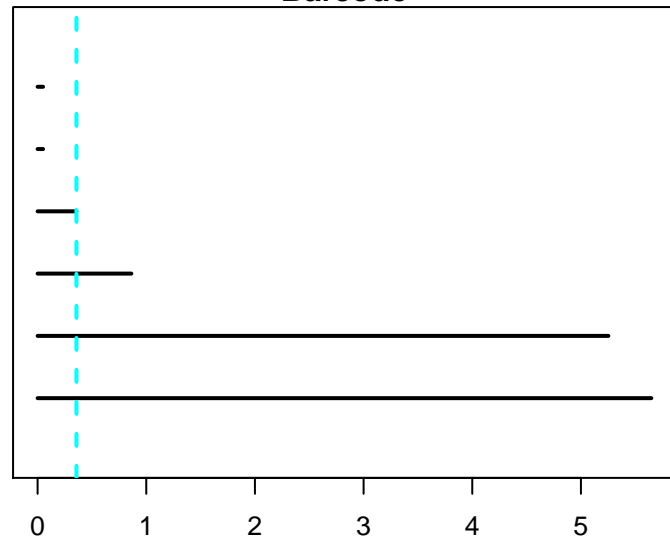
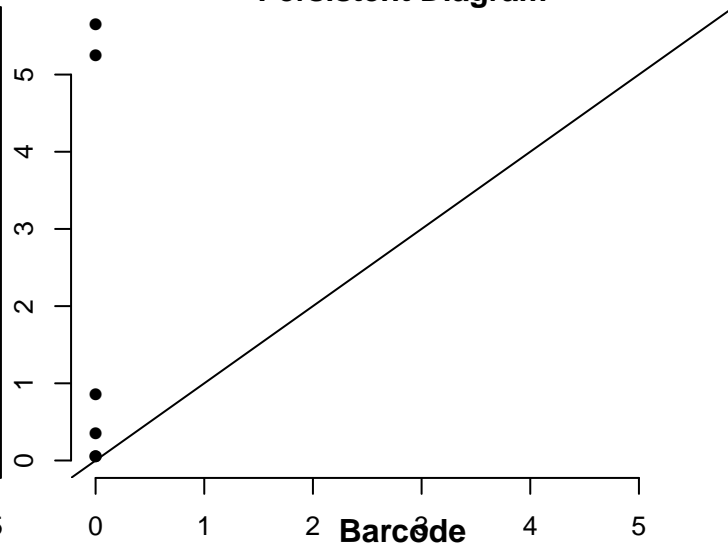
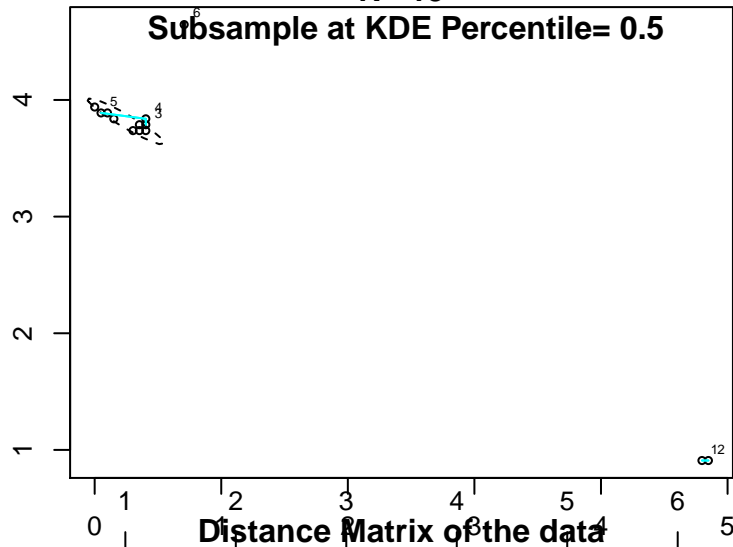


This is the 'Frame' at Euclidean distance = 0.357

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.5

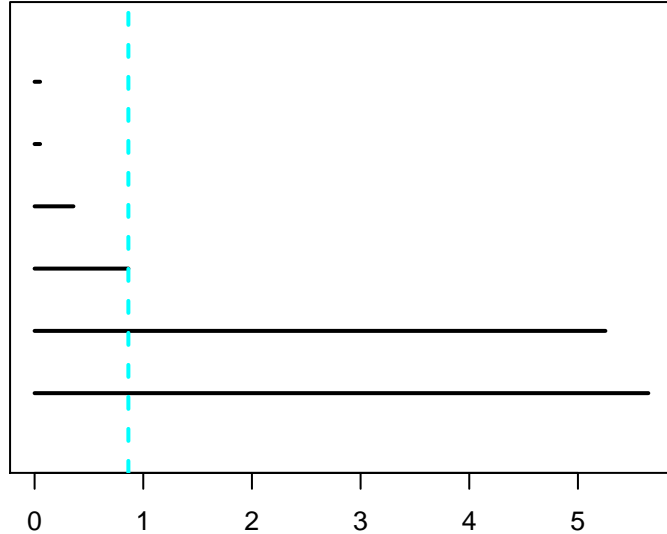
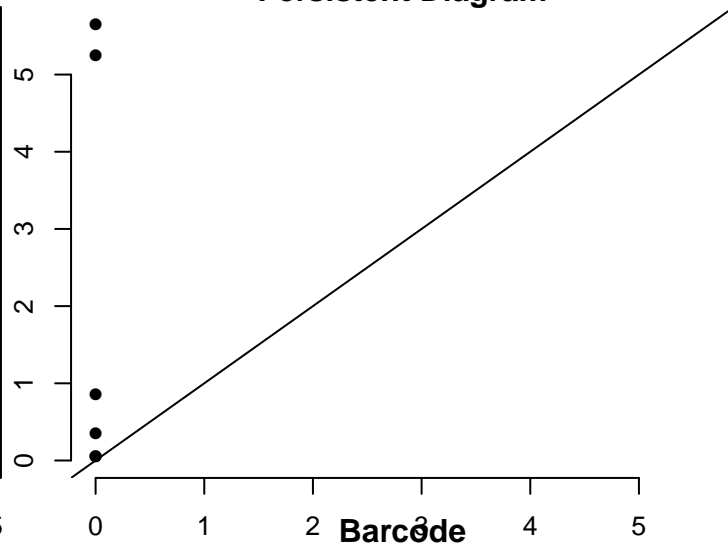
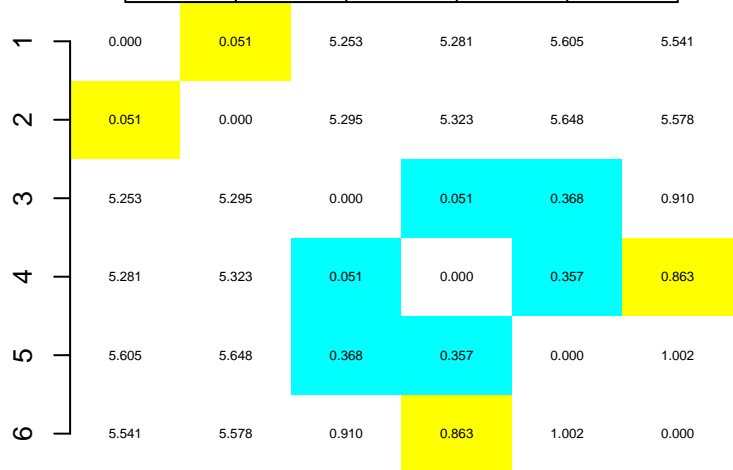
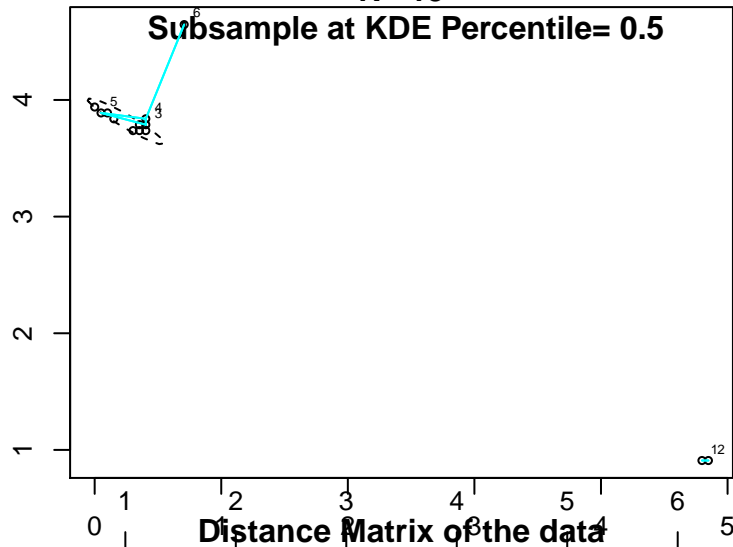


This is the 'Frame' at Euclidean distance = 0.863

N= 13

Persistent Diagram

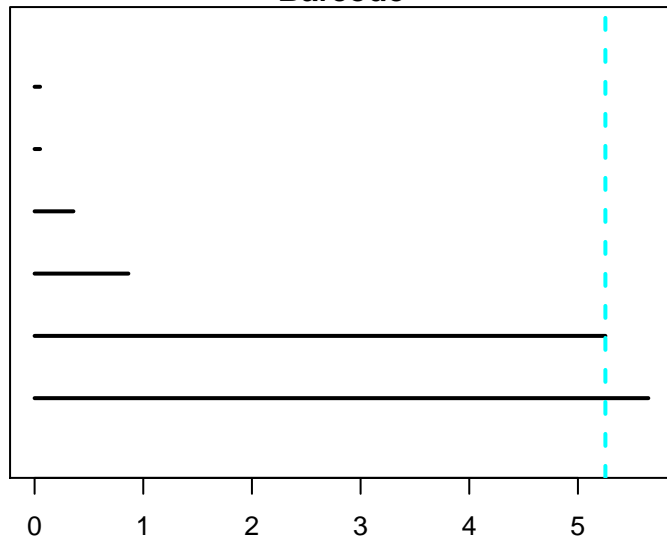
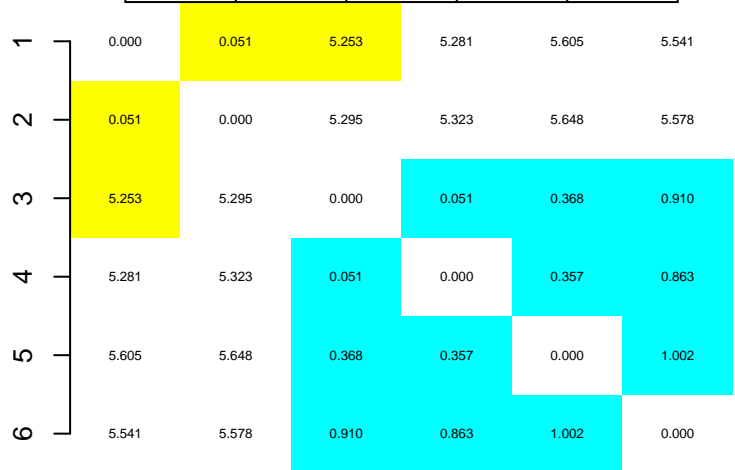
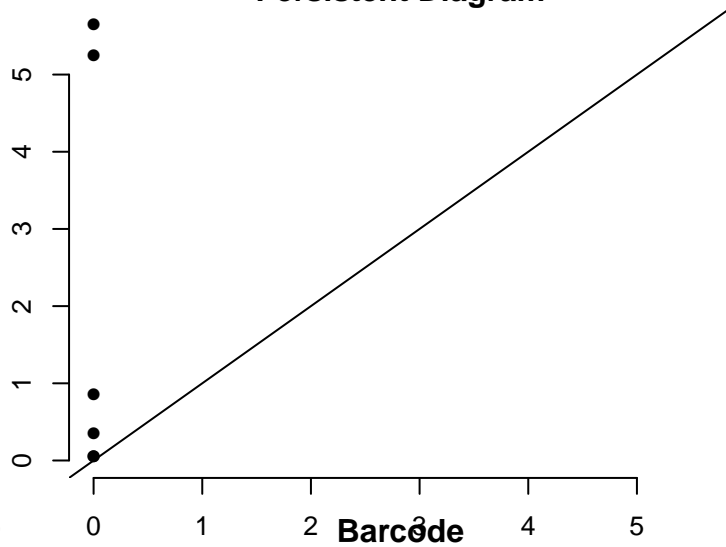
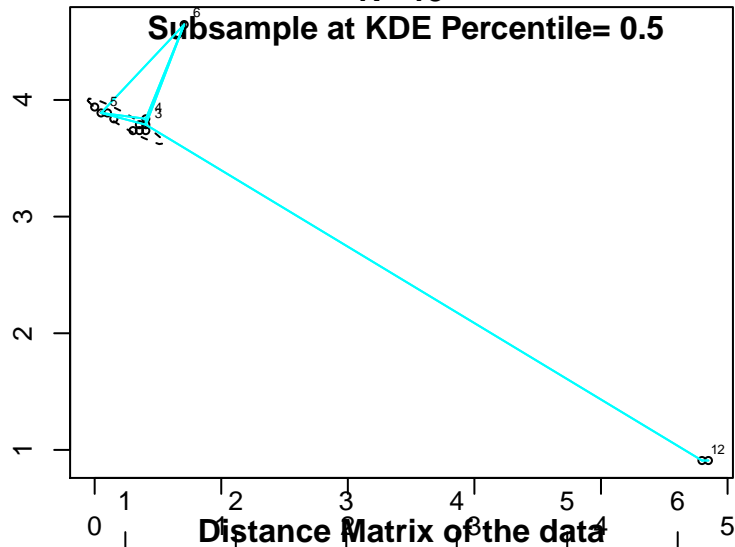
Subsample at KDE Percentile= 0.5



This is the 'Frame' at Euclidean distance = 5.25

N= 13

Persistent Diagram



This is the 'Frame' at Euclidean distance = 5.65

N= 13

Persistent Diagram

Subsample at KDE Percentile= 0.5

