



**Integrated hotspots management and saving the living Black Sea ecosystem -
HOT BLACK SEA
(2.2.1.72761.225 MIS-ETC 2303)**

Mathematical methods for classification of Hot Spots on social-economic criteria

Vladimir Brook

Second Workshop – Hot Spots Methodology
22- 25 June 2015
Odessa, Ukraine

Social-and-economic criteria for UA Black Sea regions

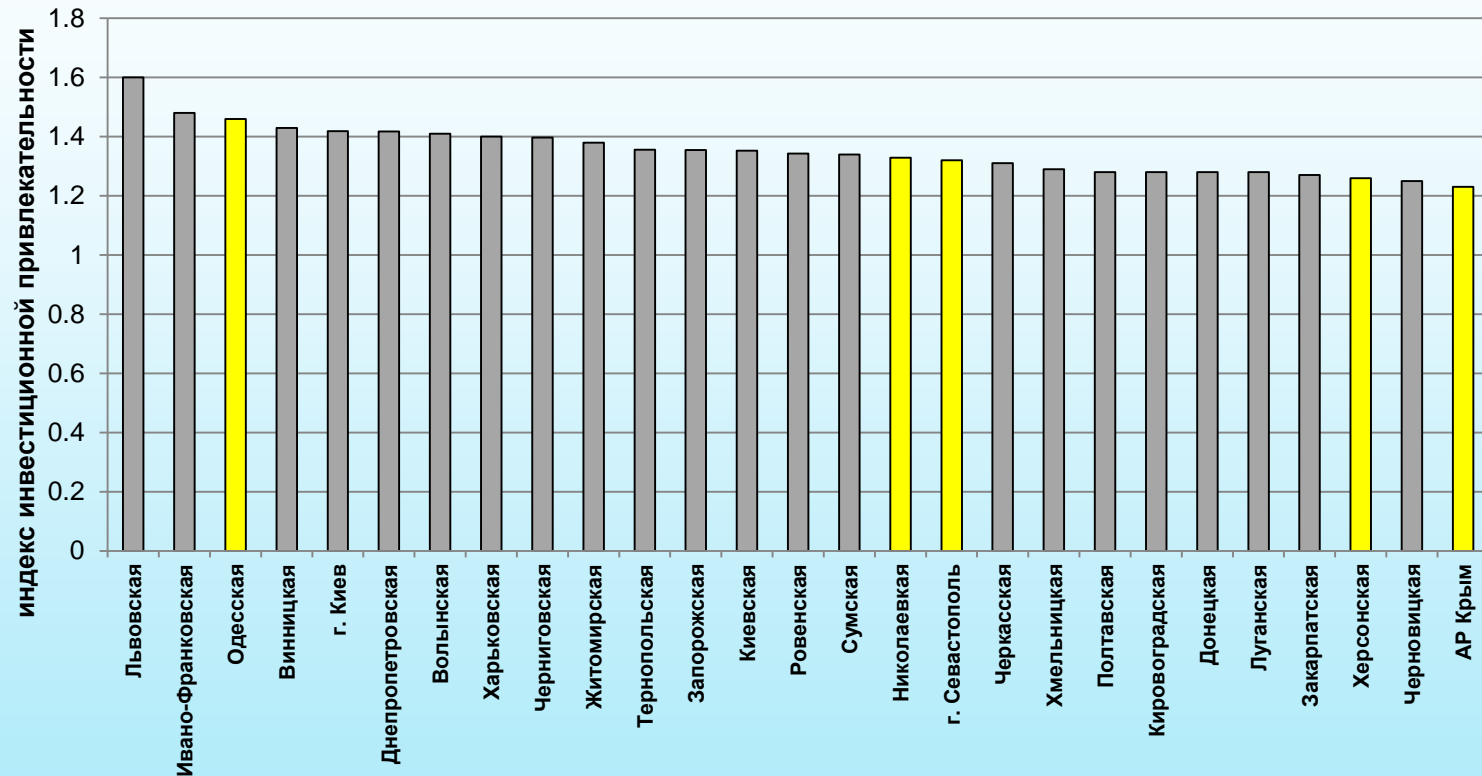
Region	Index of investment attractiveness of the region	Index of regional development perspectives
Odesa Oblast	1,46	-1,4
Mykolaiv Oblast	1,329	-3,2
Kherson Oblast	1,26	-3
AR Crimea	1,23	-1,1
Sevastopol	1,32	-1,7

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Indexes of investment attractiveness for all regions of Ukraine



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Key methods used for classification

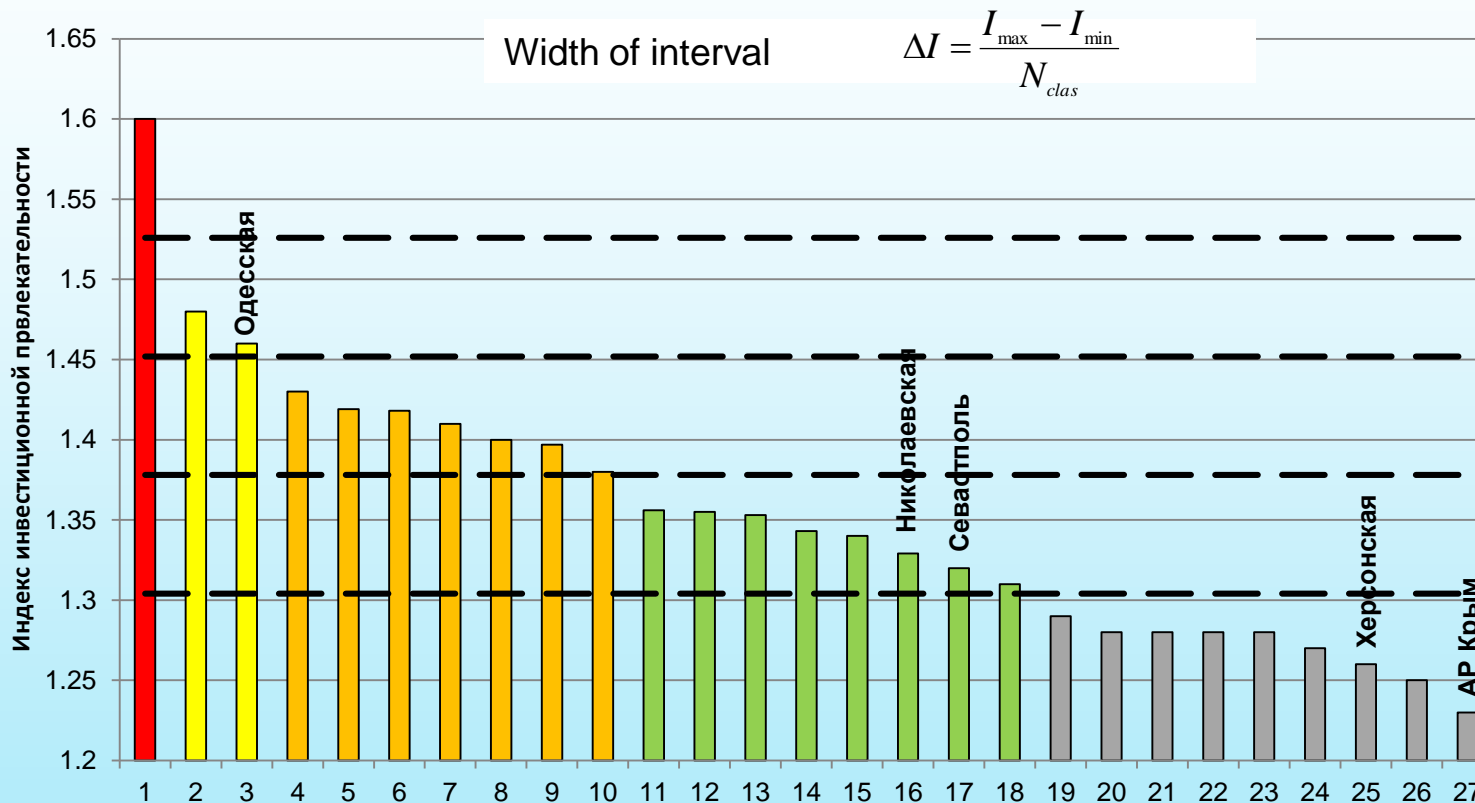
1. Method of equal intervals
2. Quantile method
3. Method of natural breaks
4. Method of standard deviation

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Method of equal intervals

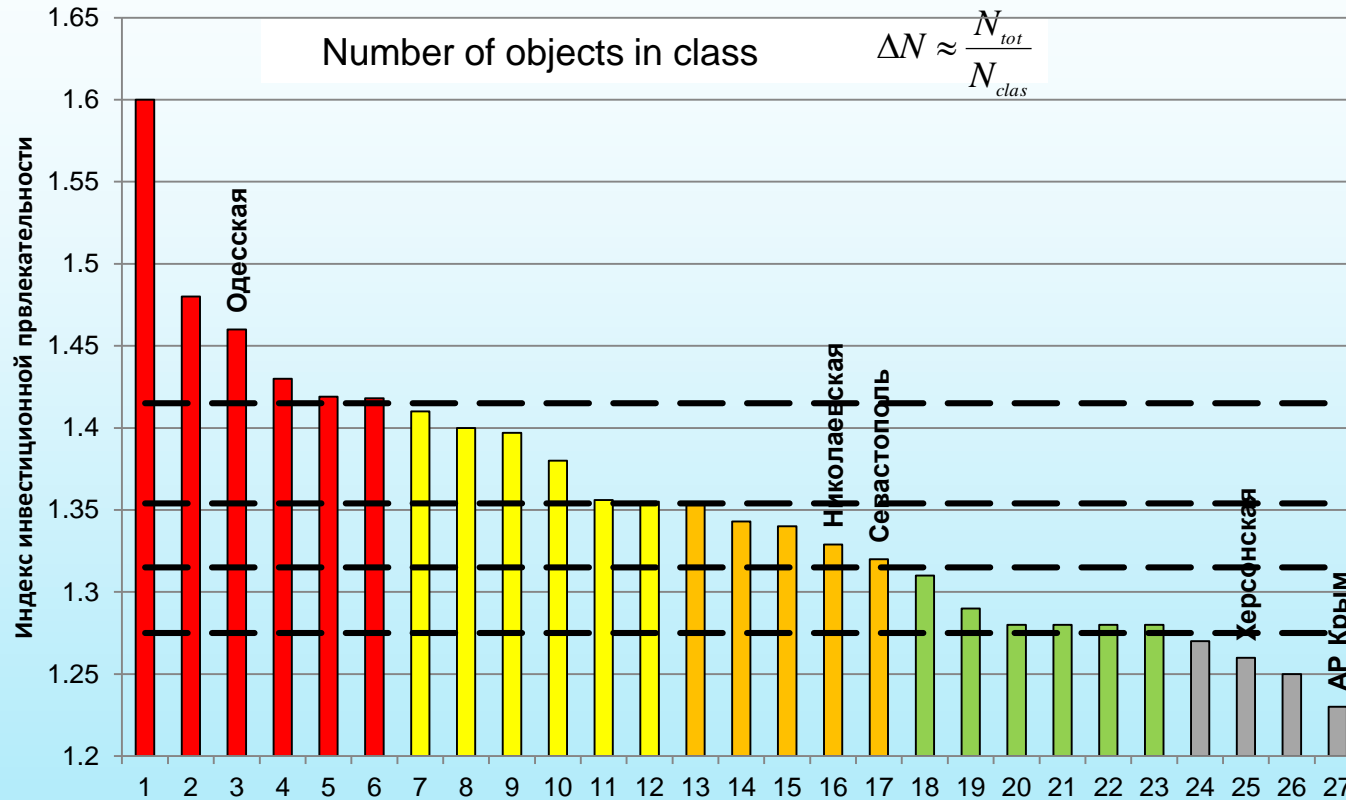


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Quantile method

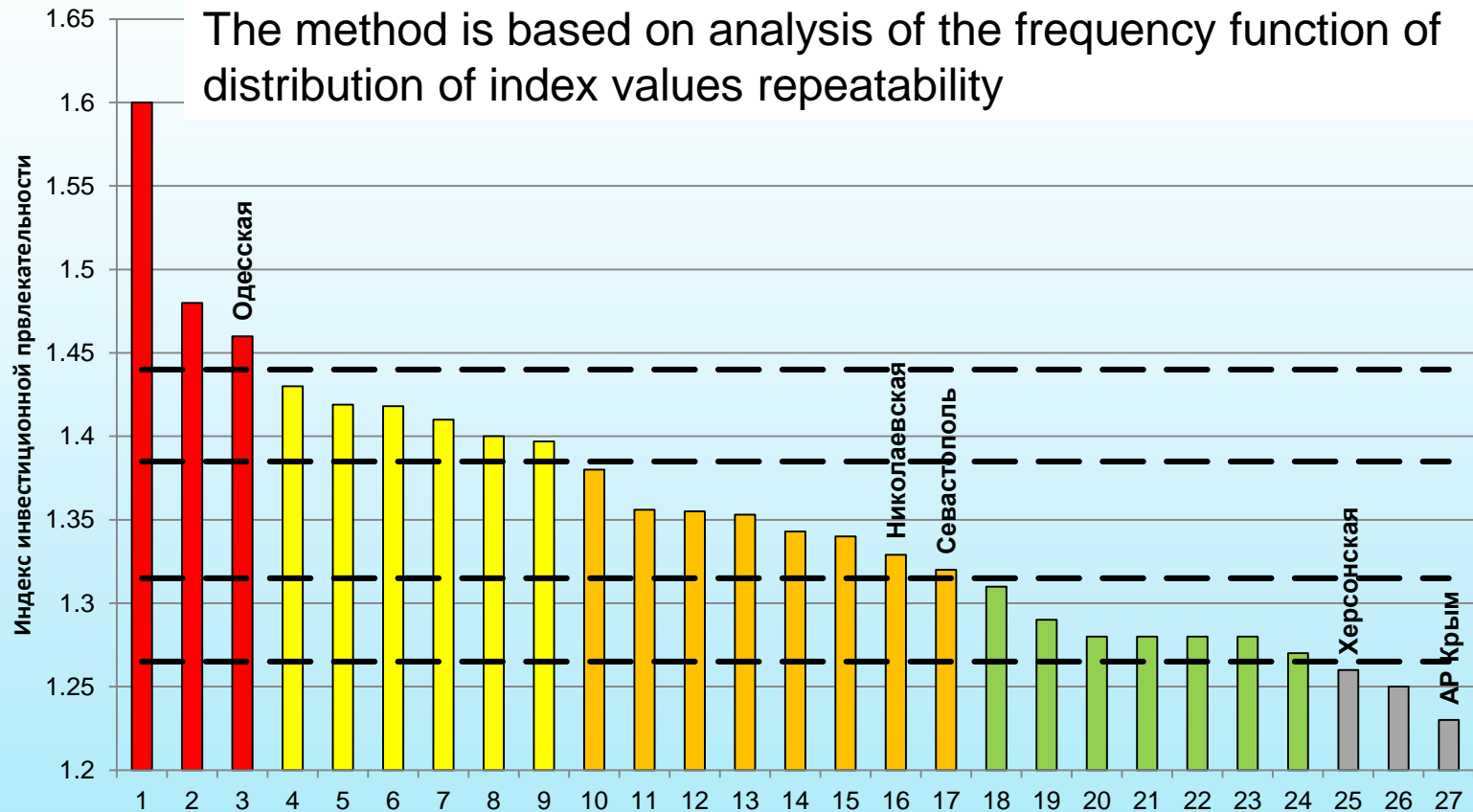


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Method of natural breaks

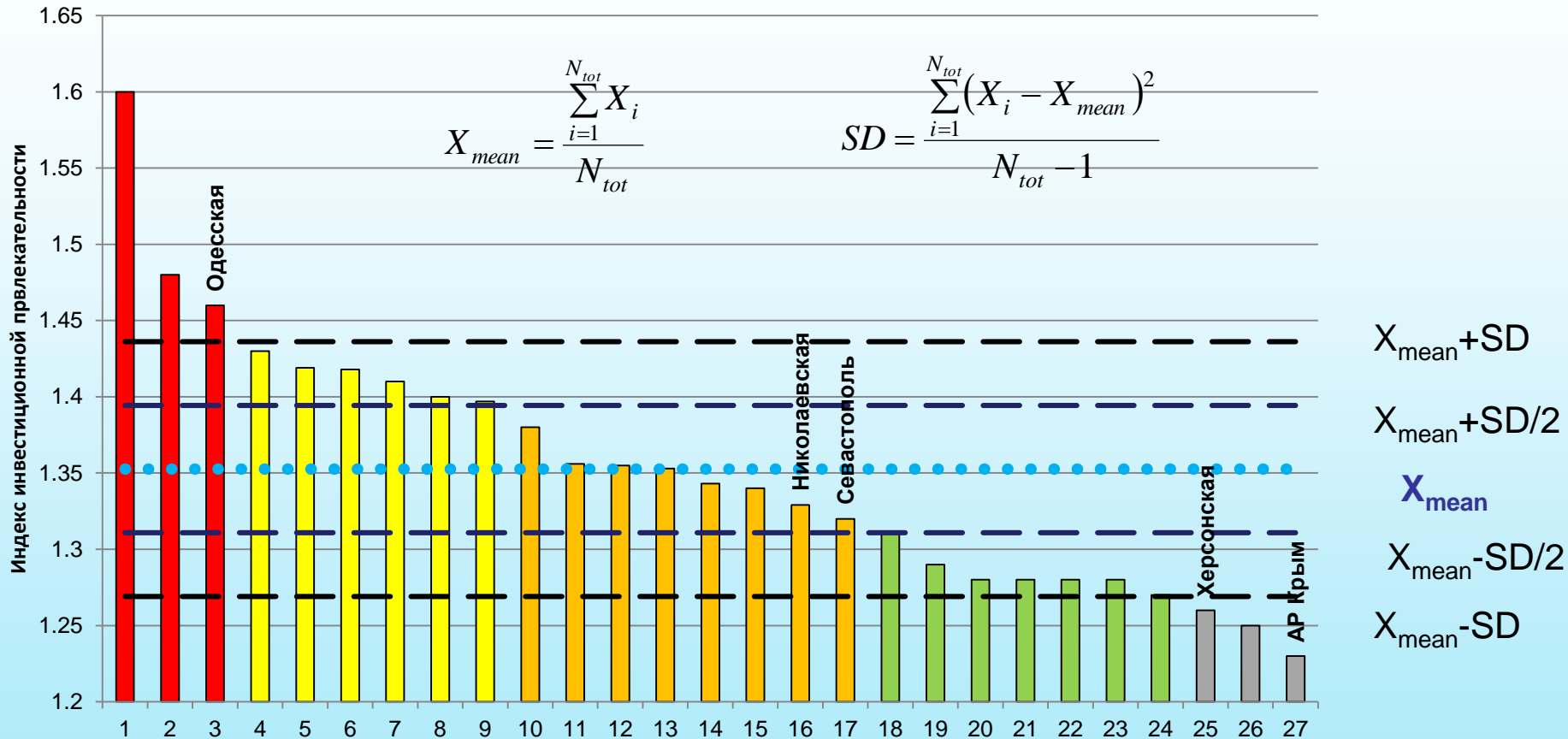


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Method of standard deviation

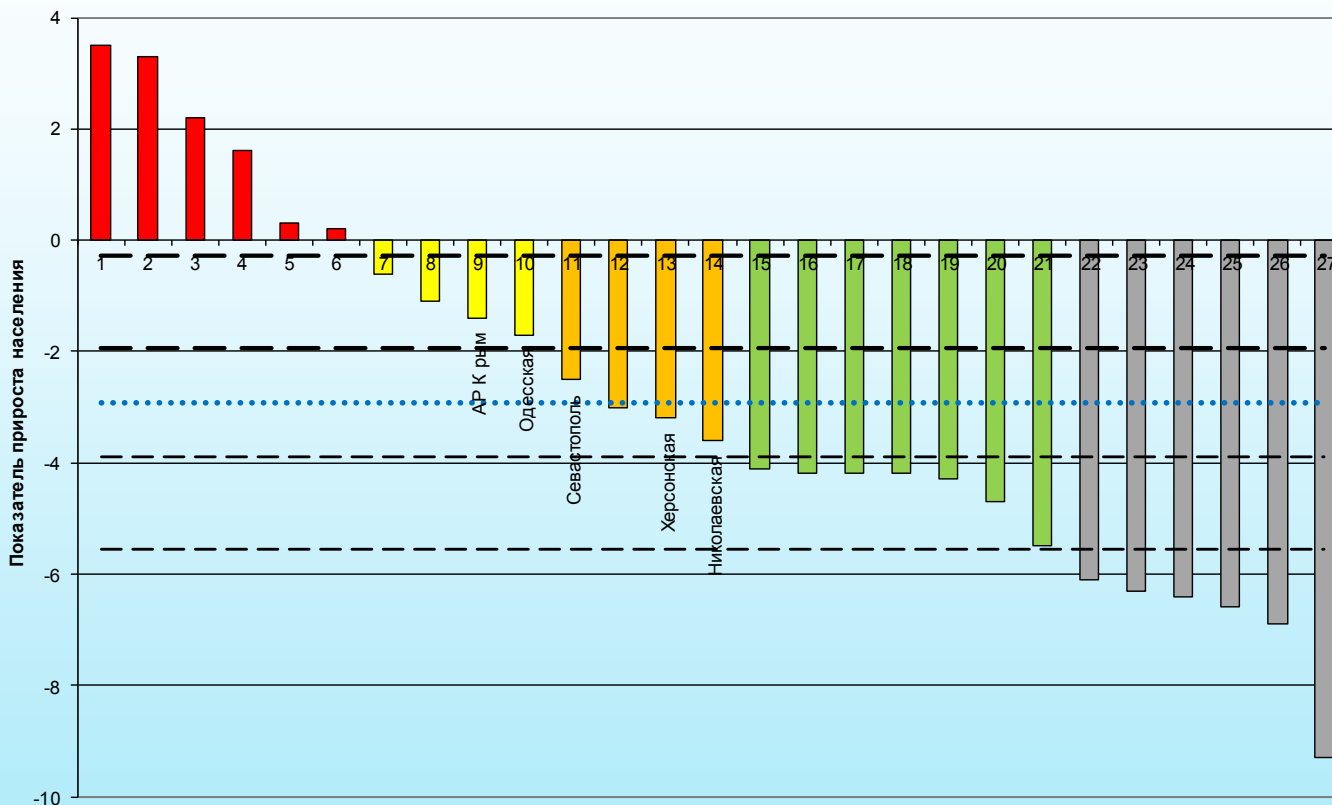


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Classification of UA oblasts on Index of regional development perspectives

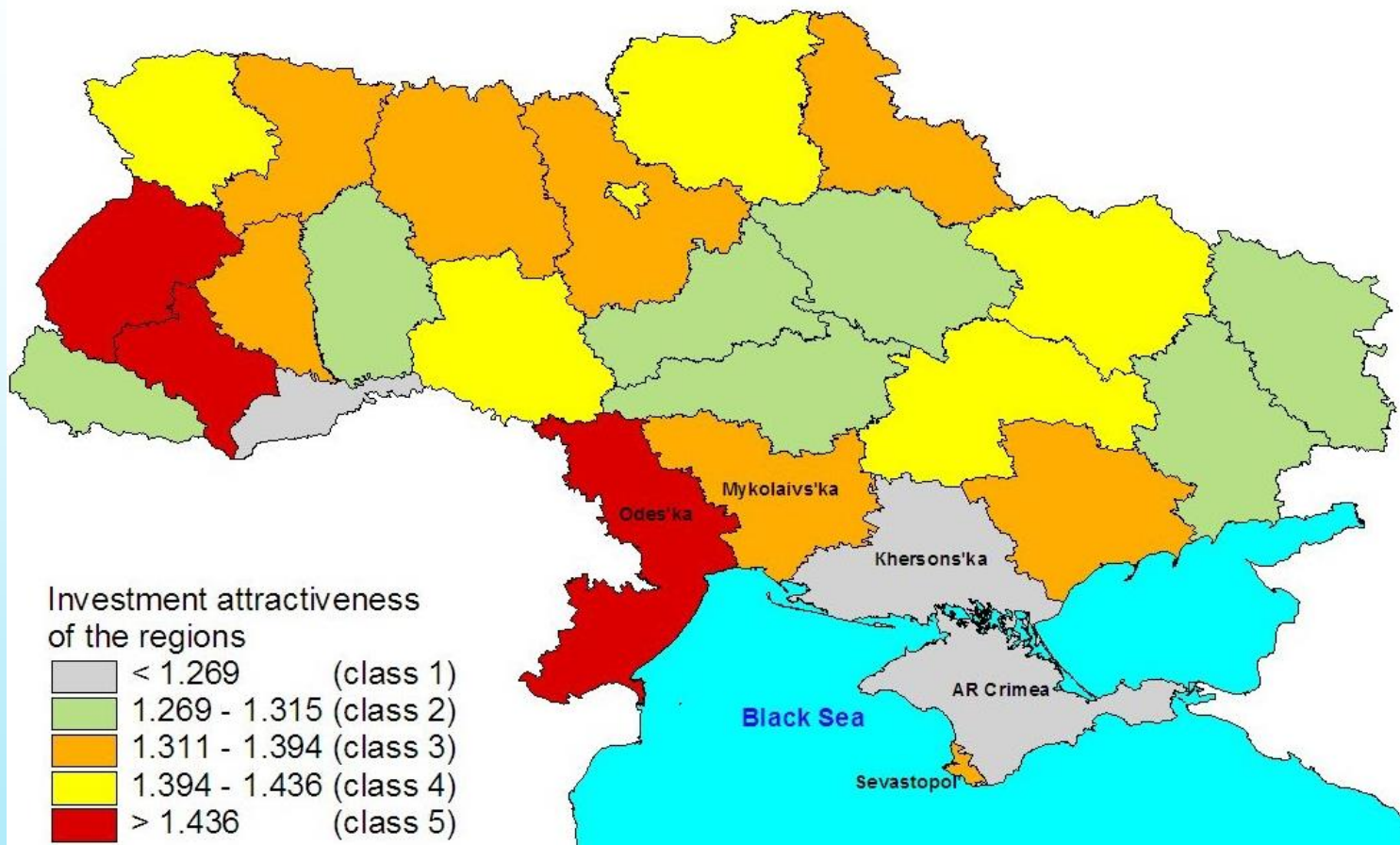


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Investment attractiveness of regions

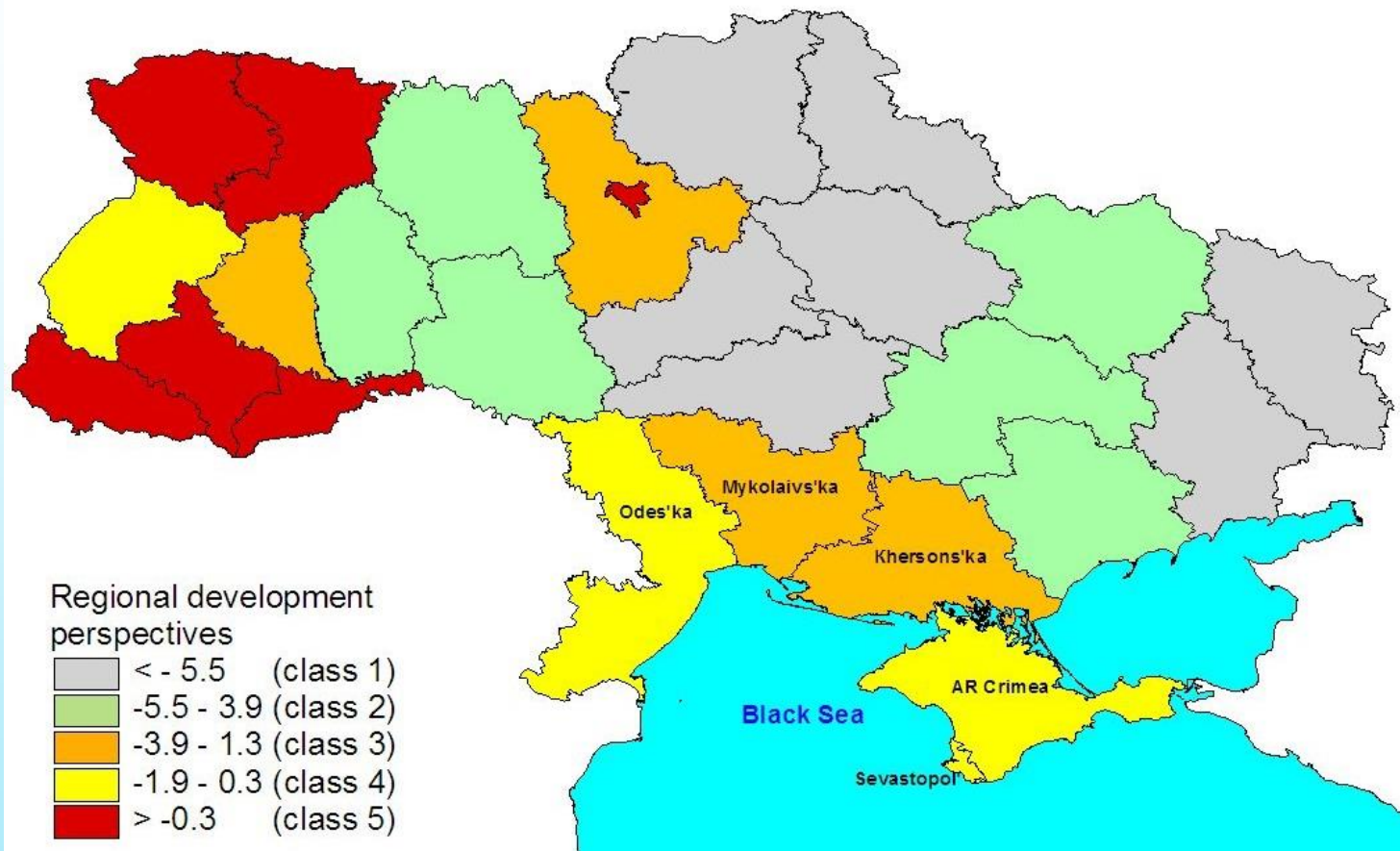


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Regional development perspectives



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Classification of UA Black Sea regions on Index of investment attractiveness

Region	Index of investment attractiveness of the region	Class of investment attractiveness of the region
Odesa Oblast	1,46	5
Mykolaiv Oblast	1,329	3
Kherson Oblast	1,26	1
AR Crimea	1,23	1
Sevastopol	1,32	3

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Classification of UA Black Sea regions on Index of regional development perspectives

Region	Index of regional development perspectives	Class of regional development perspectives
Odesa Oblast	-1,4	4
Mykolaiv Oblast	-3,2	3
Kherson Oblast	-3	3
AR Crimea	-1,1	4
Sevastopol	-1,7	3

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Thank you for your attention!

HOT BLACK SEA project web-site:
<http://www.bs-hotspots.eu/>