Course on Population and Health 2015
New Economic School (Moscow, Russia)

Detailed course curriculum

Place: NES, Skolkovo

Duration: 3 weeks, 30.03-17.04, 3 modules, 5 working days per week

Daily schedule: 10:00 – 17:00, room 3.14,
13:30-14:30 lunch break,
16:00-17:00 consultations

Nr	Title	Date	Time	Lecturer
Module 1: Basic methods and techniques				
1	Introductory seminar. Population health issues	30.03	10:00	Jdanov D.A.
2	Seminar: Excel and introduction in VBA - 1	30.03	12:00	Andreev E.M.
3	Seminar: Excel and introduction in VBA - 2	30.03	14:30	Andreev E.M.
4	Introduction in R	31.03	Whole day	Jdanov D.A
5	Lecture 1. Events, durations, Lexis diagram, and rates.	1.04	10:00	Jdanov D.A
6	Lecture 2. Aggregated measures of mortality and life table functions.	1.04	12:00	Andreev E.M.
7	Lecture 3. Life table and causes of death.	1.04	14:30	Jdanov D.A
8	Seminar to Lectures 1-3	2.04	10:00	Andreev E.M.
9	Lecture 4. Mortality across time, age, and cohort.	2.04	12:00	Jdanov D.A
10	Seminar to Lecture 4	2.04	14:30	Jdanov D.A
11	Lecture 5. Accounting for health in the life table.	3.04	10:00	Jdanov D.A
12	Lecture 6. Accounting for health in the life table. Application to cancer	3.04	12:00	Andreev E.M.
13	Seminar to Lectures 5-6	3.04	14:30	Andreev E.M.
14	Lecture 7. Methods of decomposition.	6.04	10:00	Andreev E.M.
15	Lecture 8. Methods of decomposition	6.04	12:00	Jdanov D.A
16	Seminar to Lectures 7-8	6.04	14:30	Andreev E.M.
17	Lecture 9. Data sources and classification systems	7.04	10:00	Jasilionis D.
18	Lecture 10. Data quality and statistical errors.	7.04	12:00	Jasilionis D., Jdanov D.A
Module 2: Theories and methods in population-level research				
19	Lecture 11. Divergences / convergences in mortality. A new approach to health transition	8.04	10:00	Mesle F.
20	Lecture 12. Medical causes of death: collection, classification, comparability.	8.04	12:00	Mesle F.
21	Lecture 13. Reconstruction of continuous time series of mortality by cause of death.	9.04	10:00	Mesle F.
22	Seminar to Lectures 12-13.	9.04	12:00	Mesle F., Danilova I.
23	Lecture 14. Health inequalities: facts and explanations	9.04	14:30	Jasilionis D.
24	Lecture 15. Measurement of inter-group mortality differences based on the census-linked data.	10.04	10:00	Jasilionis D.
25	Seminar to Lecture 15	10.04	12:00	Jasilionis D.

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26	Lecture 16. Measurement of health inequalities: a systematic review	10.04	14:30	Jdanov D.A
27	Lecture 17. Inequality in continuous distributions and in the life table	13.04	10:00	Shkolnikov V.M.
28	Seminar to Lectures 16-17	13.04	12:00	Andreev E.M., Shkolnikov V.M.
29	Lecture 18. Sex differences in health and survival	13.04	14:30	Shkolnikov V.M.
Module 3: Studies based on micro-data				
30	Lecture 19. Population disease rates: when are they determined?	14.04	10:00	Leon D.
31	Lecture 20. Conducting epidemiological research: challenges and opportunities	14.04	12:00	Leon D
32	Seminar: response rates, selection bias and representativeness	14.04	14:30	Leon D, Shkolnikov V.M.
33	Lecture 21. Aging and health expressed in biomarkers	15.04	10:00	Shkolnikov V.M.
34	Lecture 22. Mortality differentials within the Russian population	15.04	12:00	Timonin S.A.
35	Lecture 23. Survival and health in Russia	15.04	14:30	Shkolnikov V.M.
36	Lecture 24. Survival and health in Russia - 2	16.04	14:30	Shkolnikov V.M.
37	Lecture 25. Health and alcohol	16.04	10:00	Leon D.
38	Lecture 26. Health and tobacco	16.04	12:00	Shkolnikov V.M.
39	Hard points. Round table. Presentations by course participants.	17.04	Whole day	Shkolnikov V.M., Andreev E.M., Timonin S.A.