

“Copyright and Creativity: Evidence from Italian Opera in the Napoleonic Age”

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Date: March 2020

This document contains a description of all the data and dofiles used to generate paper and online appendix figures and tables.

All the codes used in this paper have been prepared using Stata 14. Note that you need to modify the path to the replication folder in each dofile. To make the maps, please make sure that you have installed updated versions of the following programs: *spmap*, *mergepoly*. To install them, please code *ssc install program_name*.

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1. LIST OF TABLES AND FIGURES WITH CORRESPONDING DOFILES AND DATASETS FOR REPLICATION OF PAPER'S RESULTS

A. Tables

Table 1: New Operas per State and Year across Eight States within Italy, 1781-1820

- Dofile: *JPE_MS_20180234_Table1.do*
- Dataset: *operas_1781_1820.dta*

Table 2: Pre-Copyright Characteristics, Lombardy and Venetia Compared with Other Italian States

- Dofile: *JPE_MS_20180234_Table2.do*
- Datasets: *state_level_data_1800.dta* and *balancing_tests.dta*

Table 3: Effects of Copyrights on the Creation of New Operas, Dependent Variable Is Operas Created per State and Year, 1781-1820

- Dofile: *JPE_MS_20180234_Table3.do*
- Dataset: *operas_1781_1820.dta*

Table 4: Effects of Copyrights on the Quality of New Operas, 1781-1820

- Dofile: *JPE_MS_20180234_Table4.do*
- Dataset: *operas_1781_1820.dta*

Table 5: Composer-Level Regressions, Dependent Variable Is New Operas per State and Year by Composers, 1781-1820

- Dofile: *JPE_MS_20180234_Table5.do*
- Dataset: *composer_level_data.dta*

Table 6: All of Italy, 1770-1900, Dependent Variable Is New Operas per State and Year

- Dofile: *JPE_MS_20180234_Table6.do*
- Dataset: *operas_1770_1900.dta*

Table 7: Effects of Extensions in the Length of Copyrights, 1770-1900, Dependent Variable Is New Operas per State and Year

- Dofile: *JPE_MS_20180234_Table7.do*
- Dataset: *operas_1770_1900.dta*

Table 8: City-Level Regressions with Interactions for Pre-Existing Infrastructure, Dependent Variable Is New Operas per City and Year, 1781-1820

- Dofile: *JPE_MS_20180234_Table8.do*
- Original datasets: *city_level_operas_1781_1820.dta*

B. Figures

Figure 1: Map of Italy with Borders Established by the Congress of Vienna (1815)

- The source of the map is <https://www.age-of-the-sage.org>
- No data or dofiles have been used to produce this table

Figure 2: New Operas per State and Year in Italy, 1781-1820

- Dofile: *JPE_MS_20180234_Figure2.do*
- Dataset: *operas_copyright_total.dta*

Figure 3: New Operas Created per State and Year in a Synthetic Lombardy without Copyright

- Dofile: *JPE_MS_20180234_Figure4.do*
- Dataset: *operas_1781_1820.dta*

Figure 4: Time-Varying Estimates for Effects of Copyrights on New Operas Created per State and Year

- Dofile: *JPE_MS_20180234_Figure3.do*
- Dataset: *synthetic_control.dta*

Figure 5: Return Migration from France and Austria to Lombardy and Venetia

- Dofile: *JPE_MS_20180234_Figure5.do*
- Dataset: *returning_composers.dta*

Figure 6: New Operas Created per State and Year in Lombardy and Venetia, 1820-1900

- Dofile: *JPE_MS_20180234_Figure6.do*
- Dataset: *operas_1770_1900.dta*

Figure 7: Performance in 100 Years After Creation

- Dofile: *JPE_MS_20180234_Figure7.do*
- Datasets: *repeated_performances.dta*

To replicate all the paper's tables and figures at once, please run:

JPE_MS_20180234_replication_dofiles_paper.do

2. LIST OF TABLES AND FIGURES WITH CORRESPONDING DOFILES AND DATASETS FOR REPLICATION OF ONLINE APPENDIX RESULTS

A. Appendix Tables

Appendix Table A1: Repeat Performance With (Shaded) and Without Copyrights

- Dofile: *JPE_MS_20180234_AppendixTableA1.do*
- Dataset: *repeat_performance_state_1781_1820.dta*

Appendix Table A2: Life Table, Expected Remaining Years of Life for an Italian Composer in 1800

- No data or dofiles have been used to produce this table

Appendix Table A3: Collapsing the Pre- and Post-Period Observations with Clustering at the State Level, OLS, Dependent Variable Is New Operas per State and Year, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA3.do*
- Dataset: *operas_1781_1820.dta*

Appendix Table A4: Composers Moving from the Control States to Lombardy and Venetia

- Dofile: *JPE_MS_20180234_AppendixTableA4.do*
- Dataset: *composers_migration_1781_1820.dta*

Appendix Table A5: De-Trending the Dependent Variable, OLS and QML Poisson, Dependent Variable Is New Operas per State and Year, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA5.do*
- Dataset: *operas_1781_1820.dta*

Appendix Table A6: Excluding Milan and Venice, Dependent Variable Is New Operas per State and Year, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA6.do*
- Dataset: *operas_1781_1820.dta*

Appendix Table A7: Controlling for Years of French Presence, OLS and QML Poisson, Dependent Variable Is New Operas per State and Year, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA7.do*
- Dataset: *operas_1781_1820.dta*

Appendix Table A8: Robustness Checks, OLS with Alternative Measures for Quality, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA8.do*
- Dataset: *operas_1781_1820.dta*

Appendix Table A9: De-Trending the Dependent Variable, OLS Regressions with Alternative Measures for Quality, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA9.do*
- Dataset: *operas_1781_1820.dta*

Appendix Table A10: Repeat Performance With, OLS and Poisson

- Dofile: *JPE_MS_20180234_AppendixTableA10.do*
- Dataset: *operas_1781_1820_repeat_premiere.dta*

Appendix Table A11: Effects of Copyrights on Operas Performance in the 20th Century

- Dofile: *JPE_MS_20180234_AppendixTableA11.do*
- Dataset: *operas_1781_1820.dta*

Appendix Table A12: Composer-Level Regression, Average Treatment Effect of Poisson Quasi-Maximum Likelihood, Dependent Variable Is New Operas per State and Year by Composers, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA12.do*
- Dataset: *composer_level_data.dta*

Appendix Table A13: Composers Summary Statistics

- Dofile: *JPE_MS_20180234_AppendixTableA13.do*
- Dataset: *composer_level_data.dta*

Appendix Table A14: Composer-Level Regressions with Control for Return Migrants,
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- Dofile: *JPE_MS_20180234_AppendixTableA14.do*
- Dataset: *composer_level_data.dta*

Appendix Table A15: Length of Copyright and Counts of New Operas Created per State and
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- Dofile: *JPE_MS_20180234_AppendixTableA15.do*
- Dataset: *operas_1770_1900.dta*

Appendix Table A16: City-Level Regressions with Interactions for the Pre-Existing
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1820

- Dofile: *JPE_MS_20180234_AppendixTableA16.do*
- Dataset: *operas_1770_1900.dta*

Appendix Table A17: Effects on Librettos, OLS and QML Poisson Regressions, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA17.do*
- Dataset: *musical_compositions_1781_1820.dta*

Appendix Table A18: Effects of Copyrights on Other Types of Musical Compositions, OLS
and QML Poisson Regressions, 1781-1820

- Dofile: *JPE_MS_20180234_AppendixTableA18.do*
- Dataset: *musical_compositions_1781_1820.dta*

B. Appendix Figures

Appendix Figure A1: Archival Letters and Contracts

- No data or dofiles have been used to produce this figure

Appendix Figure A2: Synthetic Control: New Operas per State and Year in Venetia

- Dofile: *JPE_MS_20180234_AppendixFigureA2.do*
- Dataset: *synthetic_control.dta*

Appendix Figure A3: Performance in the First 100 Year after the Premiere of an Opera

- Dofile: *JPE_MS_20180234_AppendixFigureA3.do*
- Dataset: *repeated_performances.dta*

Appendix Figure A4: Italian Cities where at least an Operas Was Premiered

- Dofile: *JPE_MS_20180234_AppendixFigureA4.do*
- Datasets: *italyI.dta*, *italyI2.dta*, *italy_merge.dta*, *city_premiere_preperiod.dta*, *city_premiere_postperiod.dta*

Appendix Figure A5: Average Number of Theaters per City per Year 1770-1900

- Dofile: *JPE_MS_20180234_AppendixFigureA5.do*
- Dataset: *theaters_1770_1900.dta*

Appendix Figure A6: Pre-1801 Counts of Theaters and Seats per City

- Dofile: *JPE_MS_20180234_AppendixFigureA6.do*
- Dataset: *theaters_1800.dta*

To replicate online appendix tables and figures at once, please run:

JPE_MS_20180234_replication_dofiles_appendix.do