**Advanced Econometrics – 1st stage of the project**

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| **Author’s name** Aliaksandra Labko | Student’s book no.  476672 |
| **Author’s name**  Dawid Grzesiak | Student’s book no. |

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| **Econometric model1:** | Panel data model |
| Project’s title: Number of Patents Analysis | |
| Why is it worth to analyze the topic? Explain why the topic is an economic problem. | |
| It’s worth analyzing patents because they reflect a country or firm’s ability to innovate, which drives long-term economic growth and competitiveness. It’s an economic problem because innovation involves resource allocation (like R&D spending), and understanding patent trends helps optimize investments, policies, and market strategies in the knowledge economy. | |

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| **Data set** | |
| Source |  |
| Link |  |
| Number of observations |  |
| Number of variables |  |
| Additional comments (if necessary) | |

**Literature**

|  |  |
| --- | --- |
| Author(s) |  |
| Title |  |
| Journal |  |
| Year |  |
| Link |  |

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| Journal |  |
| Year |  |
| Link |  |

1 Select one of these: Panel data model; Binary dependent variable; Ordered choice model, Unordered choice model; Count data models; Limited Dependent Variables (tobit); Times series models (ARDL); Cointegration analysis