

UNIVERZITA KARLOVA
FAKULTA SOCIÁLNÍCH VĚD

individuální studijní plán
studenta doktorského studijního programu

ID plánu 17498

Student

Jméno	Mgr. Ing. Kseniya Bortnikova
E-mail	55500489@fsv.cuni.cz
Fakulta	Fakulta sociálních věd
Studijní program	Economics and Finance (P0311D050002)
Standardní délka studia (počet let)	4
Forma studia	prezenční
Datum zahájení doktorského studia	23.09.2019

Garant studijního programu
a předseda oborové rady

Jméno **prof. Ing. Evžen Kočenda, M.A., Ph.D., DSc.**

Školitel

Jméno **doc. PhDr. Tomáš Havránek, Ph.D.**
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Katedra / ústav **Institut ekonomických studií (23-IES)**

Disertační práce

Název práce

The economics of beauty effect

Postup v přípravě disertační práce

Since the first study of the beauty effect by Hamermesh and Biddle (1994), numerous research publications have found that good-looking workers earn 5 to 20 percent more than their less good-looking colleagues. Most recent studies, however, suggest that beauty premium is often context-dependent (Deryugina, 2014; Hernandez-Julian, 2017; Kanazawa, 2018). Heterogeneity in the results of different empirical papers remains one of the major issues in determining the role of physical attractiveness in economics. Moreover, research on the beauty effect faces several challenges. First, there is no agreement on the source of labor outcome differentials between attractive and less attractive individuals. Possible explanations of why the beauty premium might exist in the labor market are employer discrimination, differences in productivity, and occupational sorting. Second, it is hard to define individual's beauty precisely. Although it has been shown that there is an agreement on beauty standards within a culture at a point in time (Hamermesh and Biddle, 1994), many studies use small numbers of evaluators or photos of varying quality to generate attractiveness measures, which can lead to biases.

The dissertation aims to investigate the role of beauty in the labor market in order to provide a further empirical analysis of the beauty premium phenomenon. Particular emphasis is placed on the application of modern meta-regression methods (namely, model averaging techniques and alternative methods of testing for publication bias) and machine learning techniques.

The dissertation will consist of three essays. The first essay will be based on my diploma thesis entitled "Beauty and Productivity: a Meta-Analysis". I will extend the conducted quantitative survey by using the additional method for identification publication bias (proposed by Andrew and Kasy (2019)), coding extra variables and performing supplementary analysis of the recent data. The second essay will focus on the effect of physical attractiveness for the specific occupation. Using data from a homogenous group of workers will allow to distinguish productivity-enhancing channel of beauty from other sources. To mitigate potential bias in beauty ratings, I would like to use a machine learning approach. Face recognition will be accomplished by using the pre-trained Convolutional Neural Network proposed by Wen (2016), and attractiveness prediction will be achieved by transfer learning. The third essay will be aimed at examining the issue of gender differentials of beauty effect and its role for the gender wage gap.

Selective list of references:

Andrews, I. & M. Kasy (2019): "Identification of and Correction for Publication Bias." American Economic Review (forthcoming).
Deryugina, T. and Shurchkov, O. (2015). Now you see it, now you don't: The vanishing beauty premium. Journal of Economic Behavior and Organization, 116, pp.331-345.
Hamermesh, D. and Biddle, J. (1994). Beauty and the Labor Market. American Economic Review, vol 84, Dec. 1994, pp 1174-1194.
Harper, B. (2000). Beauty, Stature and the Labour Market: A British Cohort Study. Oxford Bulletin of Economics and Statistics, 62(s1), pp.771-800.
Hernandez-Julian, R. & C. Peters (2017): "Student appearance and academic performance." Journal of Human Capital 11(2): pp. 247–262.
Mobius, M. and Rosenblat, T., Why Beauty Matters. American Economic Review, 2006.
Paphawasit and Fidrmuc (2017): "Beautiful Minds: The Impact of Beauty on Research Productivity in Economics." Working Paper.
Wen, Y., Zhang, K., Li, Z., and Qiao, Y. (2016). A discriminative feature learning approach for deep face recognition. In Leibe, B., Matas, J., Sebe, N., and Welling, M., editors, Computer Vision – ECCV 2016, pages 499–515, Cham. Springer International Publishing.

The form and scope of the dissertation:

The dissertation will have between 150 and 200 standard pages.

Time schedule of progress on the dissertation:

1st year of study:

Work on the first dissertation article with an expected title "Beauty and Productivity: a Meta-Analysis".

2nd year of study:

Data collecting and work on the second dissertation article with an expected title "Beauty and Productivity: One Specific Occupation Study".

3rd year of study:

Completion of the dissertation with the third article.

4th year of study:

Finishing, Pre-defense, and Defense of the dissertation.

Státní doktorská zkouška a obhajoba disertační práce

Typ	Kód	Název, podrobnosti	Ak. rok
Obhajoba disertační práce	JOBEE1	Obhajoba disertační práce	2022/2023
Státní doktorská zkouška	JSZEE1	Státní doktorská zkouška	2021/2022

Průběh studia

Scheduled date of the state doctoral examination: November 2021
Scheduled date of the pre-defense: November 2022
Scheduled date of the defense of the dissertation: May 2023

Povinnosti - studijní plán

Typ	Kód	Název, podrobnosti	Ak. rok
Předmět	JED511	Teaching Assistantship (Full) A	2019/2020
Předmět	JED621	Teaching Assistantship (Half) B	2019/2020
Předmět	JED414	Quantitative Methods in Macroeconomics and Finance I	2019/2020
Předmět	JED415	Quantitative Methods in Macroeconomics and Finance II	2019/2020
Předmět	JED511	Teaching Assistantship (Full) A	2020/2021
Předmět	JED511	Teaching Assistantship (Full) A	2020/2021
Předmět	JED414	Quantitative Methods in Macroeconomics and Finance I	2020/2021
Předmět	JED415	Quantitative Methods in Macroeconomics and Finance II	2020/2021
Předmět	JED511	Teaching Assistantship (Full) A	2021/2022
Předmět	JED511	Teaching Assistantship (Full) A	2021/2022
Předmět	JED414	Quantitative Methods in Macroeconomics and Finance I	2021/2022
Předmět	JED415	Quantitative Methods in Macroeconomics and Finance II	2021/2022
Předmět	JED511	Teaching Assistantship (Full) A	2022/2023
Předmět	JED511	Teaching Assistantship (Full) A	2022/2023
Předmět	JED414	Quantitative Methods in Macroeconomics and Finance I	2022/2023
Předmět	JED415	Quantitative Methods in Macroeconomics and Finance II	2022/2023
Publikace	---	Beauty and Productivity: a Meta-Analysis (IES WP publication) Publication in the IES WP based on my diploma thesis, with an expected title "Beauty and Productivity: a Meta-Analysis". This WP will be the joint work with my diploma thesis supervisor Tomas Havranek.	2019/2020
Publikace	---	Beauty and Productivity: a Meta-Analysis (Scopus Submission)	2020/2021
Konference	---	International Conference on Demands of Labour Services in Labor Economics (ICDLSLE) - Berlin, Germany Submission of a contribution "Beauty and Productivity: a Meta-Analysis" to the International Conference on Demands of Labour Services in Labor Economics (ICDLSLE) - Berlin, Germany, Jul 23, 2020	2019/2020
Jiné	---	Grant activities Application to the Grant Agency of the UK competition with an expected topic "Economics of Beauty: further evidence". In case my project will not be accepted for financing, I will submit new application in subsequent years of study.	2019/2020
Jiné	---	Teaching assistantships Teaching SS 2019/2020: (1 TA slot - seminars) Teaching SS 2019/2020: (1 TA slot - seminars)	2019/2020
Jiné	---	BT and MT refereeing I will serve as an opponent of Bachelor's and Master's theses.	2019/2020
Jiné	---	Methodological seminar for PhD students In the 1st year of study, I will attend a methodological seminar for teaching.	2019/2020
Jiné	---	Study documents Till May 31 of this academic year, I delivered my "Annual assessment of fulfilling the ISP" + "Supplement", in which I further specify the intended course of my doctoral studies over the next academic year. In case of termination/my study interruption, I will fill in the required documents ("Annual assessment of fulfilling the ISP" + "Supplement" for the next academic year) within a month from the end of my study interruption period.	2019/2020
Jiné	---	Defenses I will attend at least 50% of dissertation defenses held at the IES FSV UK.	2019/2020
Publikace	---	Beauty and Productivity: One Specific Occupation Study (IES WP submission) Submission to the IES WP series with an expected title "Beauty and Productivity: One Specific Occupation Study".	2020/2021
Publikace	---	Beauty and Productivity: One Specific Occupation Study (Scopus submission) Submission to a foreign journal listed in the Scopus database with an expected title "Beauty and Productivity: One Specific Occupation Study".	2020/2021
Publikace	---	Beauty, Gender and Labor Outcomes (IES WP submission) Submission to the IES WP series with an expected title "Beauty, Gender and Labor Outcomes".	2021/2022
Publikace	---	Beauty, Gender and Labor Outcomes (Scopus submission) Submission to a foreign journal listed in the Scopus database with an expected title "Beauty, Gender and Labor Outcomes".	2021/2022
Stáž	---	Six-month stay at a foreign university under GEMCLIME project	2020/2021
Konference	---	By the end of the 4th year of study, I will actively participate in at least two international scientific conferences.	2022/2023

Povinnosti specifické pro obor

Publications and other study obligations required for admission to the state doctoral examination:

By the end of the 3rd year I enroll for the state doctoral exam (SDE) so that I pass the SDE not later than by the end of the 4th year. Not later than two months before the SDE I deliver all materials demonstrating compliance with the conditions for admission to the SDE. These conditions are:

- Having published or accepted for publication one scientific article (in that case I attach the postprint or a well verifiable confirmation of acceptance for publication) in a scientific journal included in the Scopus database (or in a journal with a nonzero impact factor from SSCI, SCI databases) and at least one scientific article in a series of at least IES Working Papers Series quality (in that case I submit a request to the chairman of the Doctoral Council for consideration). An alternative condition for publication duty is one research article published or accepted for publication in a scientific journal with a score of at least "B" according to the internal methodology of measuring the quality of scientific journals at IES FSV UK (see Director's Measure 1/2016 "Research" and the document Journal Evaluation at IES FSV UK). Only articles accepted for publication when the student studies the PhD at the IES will fulfil this condition. All articles must be affiliated to IES FSV UK. Only articles in Economics, Finance and closely related fields will be accepted.

- One successful grant activity as the principal investigator or two unsuccessful grant activities in the framework of the GA UK grant competition (i.e. according to the rules set by the Doctoral Council).

- Four semesters of completed doctoral seminars.

- Four "Teaching Assistantships" (TA) in at least two different classes.

- Completion of a methodology teaching seminar for doctoral students.

- Fulfillment of the special requirements of the Doctoral Council (if there are any).

Publication and study obligations required for admission to the defense:

At the time of submission of my application to the pre-defense and defense I commit myself to have:

- Passed the state doctoral examination.

- One research article published or accepted for publication in a scientific journal with a score of at least "B" according to the internal methodology for measuring the quality of scientific journals at IES FSV UK (see Director's Measure 1/2016 "Research" and Journal Evaluation at IES FSV UK). Alternatively, at least two articles published or accepted for publication in scientific journals included in the Scopus database or in scientific journals with non-zero impact factor from the SSCI and SCI databases. These articles do not have to be part of the dissertation thesis. Only articles accepted for publication when the student studies the PhD at the IES will fulfil this condition. All articles must be affiliated to IES FSV UK. Only articles in Economics, Finance and closely related fields will be accepted.

- Eight "Teaching Assistantships" (TAs) in at least two different classes.

At the time of submission of my application to the pre-defense, I commit myself to have the dissertation thesis at least in the following form:

- At least one dissertation article is fully finished (the supervisor approved the final version as a dissertation chapter), the second article is almost finished (the student processed the last supervisor's comments and awaits its approval) and the third article is elaborated. The elaborated article has at least a clear structure, methodology, goal of the research and a significant work has already been done.

BT and MT opponency: Throughout the entire duration of my study I will serve as an opponent of Bachelor's and Master's theses.

Methodology teaching seminar for PhD students:

I will participate at a methodology teaching seminar for first year PhD students during the 1st year. If the seminar was not attended within the course of the first year, I will attend the seminar during the 2nd year.

Defenses:

I commit myself to attend doctoral defenses with the minimum average attendance of 50% during the whole period of my study. In each academic year I visit at least 50% of the defenses. I am aware that participation at defenses of less than 50% may lead to a reduction of my evaluation by the Doctoral council at the end of each academic year.

Study documents: Till May 31 of each academic year, I deliver my "Annual assessment of fulfilling the ISP" + "Supplement", in which I further specify the intended course of my doctoral studies in the next academic year. In case of terminating my study interruption I will fill in the required documents ("Annual assessment of fulfilling the ISP" + "Supplement" for the next academic year) within a month from the end of my study interruption period.

Obligations in case of a study stay:

In case of a study visit/stay, I will apologize in advance to the coordinator of dissertation defenses so that my absence could be excused. I will also in advance send a request to the Doctoral Council for possible consideration of study requirements, which I plan to fulfil during my visit/stay.

Souhlas s plánem

Školitel/ka

doc. PhDr. Tomáš Havránek, Ph.D.

21.10.2019

Student/ka

Mgr. Ing. Kseniya Bortnikova

21.10.2019

Approved by CDS.

Schváleno oborovou radou doktorského studijního programu (oboru) dne: 21.10.2019

Předseda oborové rady

21.10.2019

Garant studijního programu

prof. Ing. Evžen Kočenda, M.A., Ph.D., DSc.

21.10.2019