

# Report on Bachelor / Master Thesis

Institute of Economic Studies, Faculty of Social Sciences, Charles University

<b>Student:</b>	<b>Ondřej Habáň</b>
<b>Advisor:</b>	<b>prof. PhDr. Ladislav Křišťoufek, Ph.D.</b>
<b>Title of the thesis:</b>	<b>Consequences of Implementation of Video Assistant Referee in Fortuna Liga</b>

## **OVERALL ASSESSMENT** (provided in English, Czech, or Slovak):

The presented bachelor thesis investigates the influence of the Video Assistant Referee (VAR) on various match-changing incidents in Fortuna Liga. The author provides a detailed look at the VAR technology – its positives and drawbacks, implementation, history, and related research results. Then he proceeds to the investigation, which is the backbone of the thesis. To this end, using an original sample of data, he tests various hypotheses concerning the VAR and its impact on the course of a football match.

I find the main contribution of the thesis is the construction of the unique dataset and the original analysis based on the previous research, which investigated similar hypotheses on samples from other European leagues. For these purposes, the author employs various models, including linear regression, Poisson regression, and its variants, to address multiple deviations from the assumptions of the baseline models. These models are applied carefully, and the results are presented clearly. Overall, the methods well correspond to the bachelor-level studies at the IES.

The literature review and the link to the related research are more than satisfactory. Moreover, the author straightforwardly introduces the VAR technology and motivates its usefulness. He also provides its principles and history. I find the exposition a bit too long for the thesis. There are also too many chapters; more specifically, the division into the chapters could have been a bit more coarse, e.g., Chapter 6 is too short and should have been a part of another chapter. The thesis contains some unnecessary repetitions (e.g., repeating multiple times the motivation for the analysis), which, if omitted, would make the text more condensed and better to read.

The text was typeset in LaTeX, and it satisfies all the formal requirements for the bachelor thesis. Moreover, it is well written and contains many clearly described and discussed research outputs.

Overall, I find the thesis a quality piece of research with original contributions. In my view, the thesis fulfills the requirements for a bachelor thesis at IES, Faculty of Social Sciences, Charles University; I recommend it for the defense and suggest a grade A. The results of the Urkund analysis do not indicate significant text similarity with other available sources.

My question for the defense is the following. Based on the research results regarding the VAR implementation (yours and others), do you expect the implementation of the VAR will change in some regards in the future?

## **SUMMARY OF POINTS AWARDED** (for details, see below):

<b>CATEGORY</b>	<b>POINTS</b>
<i>Contribution</i> (max. 30 points)	28
<i>Methods</i> (max. 30 points)	28
<i>Literature</i> (max. 20 points)	19
<i>Manuscript Form</i> (max. 20 points)	18
<b>TOTAL POINTS</b> (max. 100 points)	<b>93</b>
<b>GRADE</b> (A – B – C – D – E – F)	<b>A</b>

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Title of the thesis:	Consequences of Implementation of Video Assistant Referee in Fortuna Liga

***NAME OF THE REFEREE: Mgr. Ing. Matěj Nevrla***

***DATE OF EVALUATION: 24.5.2022***

*Digitálně podepsáno (24.5.2022):  
Matěj Nevrla*

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***Referee Signature***

**EXPLANATION OF CATEGORIES AND SCALE:**

**CONTRIBUTION:** *The author presents original ideas on the topic demonstrating critical thinking and ability to draw conclusions based on the knowledge of relevant theory and empirics. There is a distinct value added of the thesis.*

**METHODS:** *The tools used are relevant to the research question being investigated, and adequate to the author's level of studies. The thesis topic is comprehensively analyzed.*

**LITERATURE REVIEW:** *The thesis demonstrates author's full understanding and command of recent literature. The author quotes relevant literature in a proper way.*

**MANUSCRIPT FORM:** *The thesis is well structured. The student uses appropriate language and style, including academic format for graphs and tables. The text effectively refers to graphs and tables and disposes with a complete bibliography.*

**Overall grading:**

TOTAL	GRADE
91 – 100	A
81 - 90	B
71 - 80	C
61 – 70	D
51 – 60	E
0 – 50	F