



JOURNEY TO WESTEROS

A HCLTECH STARSHEMA WORKSHOP

CORVINUS
DATA SCIENCE ORIENTATION

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AGENDA, SETUP

- 👑 The context of the workshop
- 👑 Theory – regression models
- 👑 The backstory
- 👑 Personas and datasets.
- 👑 Teams draw a persona with related goals and then work on solving the problem.
- 👑 Teams summarize the findings in a presentation –designate a speaker to present the results (Template is provided)
- 👑 The jury announces the final results.

CONTEXT

- 🏆 You will learn how to **apply data science skills** to a „real world” problem; in our case it will be a regression model.
- 🏆 You form heterogeneous teams: you will need some **coding** skills, some **economy** theory, some **data science** theory - we present what is needed today - so form your teams wisely.
- 🏆 Each team will have a separate persona who has a specific goal and some questions.
- 🏆 You have to find out, how the regression task can be addressed and how the processed data set can be used to answer the questions
- 🏆 You will also find a „What Do You Think” question, for which you can use your findings, your economist knowledge and your common sense.
- 🏆 In the end, you need to present and explain your findings and solutions.
- 🏆 You have the liberty to specify details we did not provide, but be reasonable – the Jury will have the final decision!

THEORY

- 👑 Regression models
- 👑 Intuition
- 👑 Specifics
- 👑 Evaluation
- 👑 The process

BACKSTORY

Westeros is cool! The 9 great houses are still there, but there has been peace all around the world for eons. Dragons are tamed, and different kinds of sport replace fighting for real. People live healthy and prosperous lives, access to education is commonplace, and technology innovation through the development of transportation, IT and communication fueled economic growth.

A team of young Essosians embark on an adventurous journey in Westeros to explore the possibilities of the continent.

- 👑 **Breyna** is an influencer, who regularly vlogs about her journeys. Her followers are numerous. Her goal is to maximize profit and influence.
- 👑 **Alberet** is an enthusiastic dragon trainer organizing dragon „fights” – calm down, this is just a sport! His goal is to reach as many spectators as possible, and make a decent profit.
- 👑 **Decran** is a spy, with the cover of a musician organizing festivals. His goal is to organize a music tour next year for younger folks, and as an undercover agent to also visit major eastern ports (Widow's Watch, Gull Town, Runestone, Dragonstone, Sunspear, Kings Landing) to investigate their vulnerabilities, while minimizing costs..
- 👑 **Ayenna** is the broadcasting producer of the 4-yearly Westeros Football Cup. Her goal is to maximize the ad and minimize the accomodation cost of the crew of 10 (including herself).
- 👑 **Edlin** is an avid tourist. His **goal** is to visit as many places as possible, while spending at least one night in a certain place.

PERSONAS

Your team selects one character, and work on helping the person achieve their goals.

You have:

- A **Regression** task
- 4-6 Simple **Questions** (3 should be answered as a minimum)
- A Complex Question (**WDYT**: „What do you think”), where you have to use your evaluation and analytical skills

PERSONAS

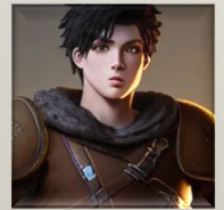
BREYNA LINSTER

Breyna is an influencer, who regularly vlogs about her journeys. Her followers are numerous. Her **goal** is to maximize profit and influence. (Her revenue and influence is proportional with the population and rating of the town she stays at. $\text{Revenue} = \text{Population} * 0.0001 + (\text{rating} - 4) * 100.$)



ALBERET EATHE

Alberet is an enthusiastic dragon trainer organizing dragon „fights” – calm down, this is just a sport! His **goal** is to reach as many spectators as possible, and make a decent profit (1% of the folks will visit the show eventually and will pay an entry fee of 1).



DECRAN JORDAYNE

Decran is a spy, with the cover of a musician organizing festivals. His **goal** is to organize a music tour next year for younger folks, and as an undercover agent to also visit major eastern ports (Widow's Watch, Gull Town, Runestone, Dragonstone, Sunspire, Kings Landing) to investigate their vulnerabilities, while minimizing costs.



AYENNA TRAEVERS

Ayenna is the broadcasting producer of the 4-yearly Westeros Football Cup. Her **goal** is to maximize the ad revenue (proportional to the population of the hosting city: 0.3% of the population) and minimize the accomodation cost of the crew of 10 (including herself).



EDLIN FOSSOWAY

Edlin is an avid tourist. His **goal** is to visit as many places as possible, while spending at least one night in a certain place.



SCHEDULE

9.00-10.00

Introduction
Theory presentation

10.00-10.15

Teamforming
Persona selection

10.15-13.00

Mentored teamwork (lunch break included)

13.00-14.00

Team presentations (10 minutes per team)

14.00-14.30

Evaluation and final results
Closing

RESOURCES

Repository:

<https://github.com/norbertsepp/corvgot>

Final results:

Send your CSV model output to [Berta](#) for evaluation

Build, share and present your presentation files