



SYLLABUS

Natural Language Processing

Online Training Course

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AIHR | ACADEMY TO INNOVATE HR

An overview

of what you can expect from this course

Get powerful employee insights

Interviews, surveys and performance reviews: you have a wealth of employee data at your disposal. However, because this data is unstructured, analyzing it can cost a lot of valuable time and manpower. Unless you are familiar with Natural Language Processing.

In this course, you will learn how to apply Natural Language Processing to reveal employee insights hidden in unstructured data in minutes instead of hours. You will also learn how to build a chatbot and set up a Voice of the Employee program so that you can make optimal use of your new NLP capabilities.

	Type	Online self-paced learning
	Language	English (with English & Spanish captions)
	Duration	9 hours
	Access	12 months
	Structure	3 modules
	Testing	Quizzes
	Digital certificate upon completion (including LI token)	
	Eligible for HRCI & SHRM credits	
	Reading materials & bonus content	
	60-day money back guarantee	

Curriculum overview

Practical. Comprehensive. Game changing.

Learning objectives



Natural Language Processing for HR

Uncover valuable employee insights in a matter of minutes using Natural Language Processing.



Voice of the Employee

Learn how to set up a successful Voice of the Employee (VoE) program to better understand your workforce.



Build an HR chatbot

Find out how to create your own HR chatbot to save time, increase productivity and boost engagement.



Machine learning

Explore the two different approaches to Natural Language Processing: machine learning and linguistic engineering.



MODULE 1

Introduction to NLP



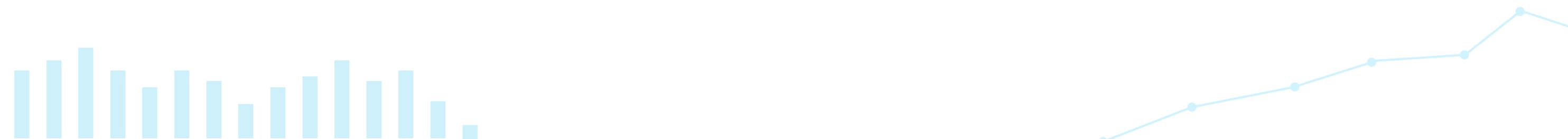
MODULE 2

Algorithms in NLP



MODULE 3

Voice of the Employee



MODULE 1

Introduction to NLP

What is Natural Language Processing, and how exactly can it help HR professionals? In this first module, you will learn about the basics of NLP, such as the difference between structured and unstructured data, and why it is difficult for a computer program to understand language. You will also find out how to use NLP to process surveys and interviews and listen to the Voice of the Employee.

- **Lessons**

- Introduction to NLP
- The Must-Knows of NLP
- NLP Daily Tasks

- **Resources and reading materials**

MODULE 2

Algorithms in NLP

It's time to deepen your understanding of how Natural Language Processing works. In this module you will learn about metrics used in NLP, as well as common NLP errors and the confusion matrix. You will also explore two approaches to NLP, and find out how to build an HR chatbot for your organization.

- **Lessons**

- Metrics
- Linguistic Engineering vs AI
- Create Your Own HR Chatbot

- **Resources and reading materials**

MODULE 3

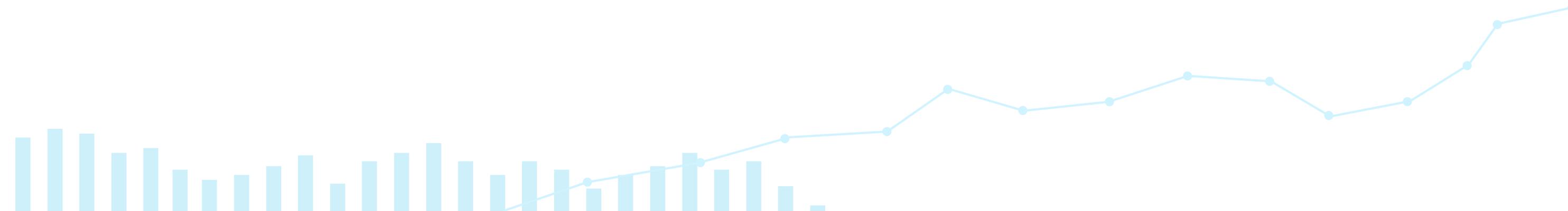
Voice of the Employee

In this final module, you will learn more about setting up a Voice of the Employee program, and creating a chatbot and using it to run a sentiment analysis. You will also take a closer look at how data privacy impacts NLP, including several practical rules of thumb for ethical data principles.

- **Lessons**

- NLP Ethics
- Voice of the Employee
- Dashboarding: Voice of the Employee

- **Resources and reading materials**



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