



# CHAT2LEARN

## Chatbot technologies for digital entrepreneurship education and adult learners

*Project n. 2020-1-CY01-KA204-065974*

*IO1: Developing a chatbot learning environment in the field of digital  
entrepreneurship*

*1.1. Collecting best practices and tools on Technology Enhanced Learning and  
creation of a resource library on topic*

PREPARED BY





<b>Title</b>	
<i>EconBot: a chatbot to support online teaching and learning in economics</i>	
<b>Date/Period</b> 2017-2018	<b>Authors</b> Pedro A. Tamayo
<b>Partner</b> DOMSPAIN	

Element	Guiding question
<b>Type of practice</b>	<i>A chatbot to support online teaching and learning in Economics</i>
<b>Publisher (optional)</b>	<i><a href="https://planetachatbot.com/econbot-construyendo-chatbot-de-economia-3c1ee6bc1bb9">https://planetachatbot.com/econbot-construyendo-chatbot-de-economia-3c1ee6bc1bb9</a></i>
<b>Target audience</b>	<i>“Economics: Microeconomic Foundations” students from UNED (Universidad Nacional de Educación a Distancia)</i>
<b>Objective/Aim</b>	<ul style="list-style-type: none"> <li>- <i>To have, in an experimental way, a new way of supporting the student, precisely at that time when the rest of the tools are no longer available.</i></li> <li>- <i>Evaluate the real possibilities, beyond the hype of the moment, of this type of tools to improve the teaching / learning processes of Economics in non-economic social grades.</i></li> <li>- <i>Have a good time experimenting with the personality and style of a new travel buddy in teaching economics.</i></li> </ul>
<b>Location/Geographical coverage</b>	<i>Spain</i>
<b>Description</b>	<i>Periodically send messages of support to the student during the month of August, with indications about concepts, ideas or economic relationships of special importance (in fact, information similar to that contained in the subject guide, but our experience shows us that the students don't usually</i>



	<p>read...). Links to available support materials, such as mind maps, were also posted.</p> <p>Periodically send memes, images, or gifs related to important concepts and ideas. For example, a gif showing the difference between demand shift and demand shift.</p> <p>Send an exercise or test question every two days, with the most correct answers proposed, for the student to answer them throughout the day. In the late afternoon, EconBot would inform each student of their success or failure, and would attach a brief explanation of the related terms.</p>
<b>Methodological approach</b>	<p>As they had no programming experience in the necessary languages to be able to create a chatbot from scratch, and for reasons of economy in the use of our time, the first task of the project consisted of selecting the software to be used for its design. A search was carried out on existing web services for designing and maintaining chat bots, on their advantages and disadvantages, to finally decide on the use of Chatfuel.com.</p>
<b>Finance</b>	N.A
<b>Constraints (optional)</b>	
<b>Outcomes</b>	<p>Once the availability of EconBot was communicated to the students by email, 30% of those who could take the exam in September clicked on the “I like” option on the Facebook page created to make it known. During the month of July, 21 EconBot messages were scheduled to be sent during the month of August to all students who agreed to receive them in the option that was offered to them when starting their first conversation with EconBot (a menu of subscription to notifications, which to which they could access at any time to unsubscribe).</p>
<b>Replicability and/or up-scaling</b>	<p>Technical (5): very intuitive web platform, attractive design possibilities in its free basic version.</p>



	<p><i>Its great virtuality lies in the fact that it is part of the Facebook ecosystem, which is widely spread among students, and in its widespread use through mobile devices, which gives it a clear superiority over other communication tools contained in LMS. Moreover, Facebook has been used as a social network to support the distribution of open information, so it seemed logical to place the choice of the bot within this ecosystem.</i></p>
<b>Further considerations</b>	<p><i>Using this tool for specific subjects can allow the student to improve the learning process by asking specific questions</i></p>