
GEA - a VR Game for Nutrition Education for Children with Neurodevelopmental Disorders

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Abstract

This document describes the design of GEA, a web application for children with NeuroDevelopmental Disorder that has been developed in cooperation with a team of therapists and children themselves. GEA wants to achieve the objective of teaching the nutrition education through a virtual reality game focused on food pyramid, healthy food and good alimentation avoiding waste of real food. It is developed taking in mind the real laboratory that children do in the specialized center so we reproduce a smart and comfortable space in which they can play the three different games proposed to them. It is also possible to choose a level of difficulty to make a personalization based on child capacities. GEA has also a functionality that replicates the smartphone screen on a pc screen in such a way that the therapist can see what the child is doing so he can explain all the doubts or help if there are some difficulties.

Author Keywords

Neurodevelopmental Disorders; children; virtual reality; learning; play; alimentation; autonomy; food pyramid.

ACM Classification Keywords

H.5.1 [Information interfaces and presentation]: Multimedia Information Systems; H.5.2 [Information interfaces and presentation]: User Interfaces; K.4.2 [Computers and society]: Social Issues

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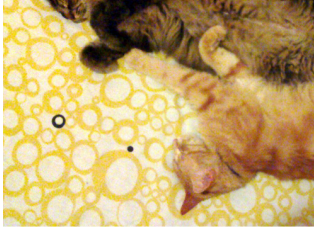


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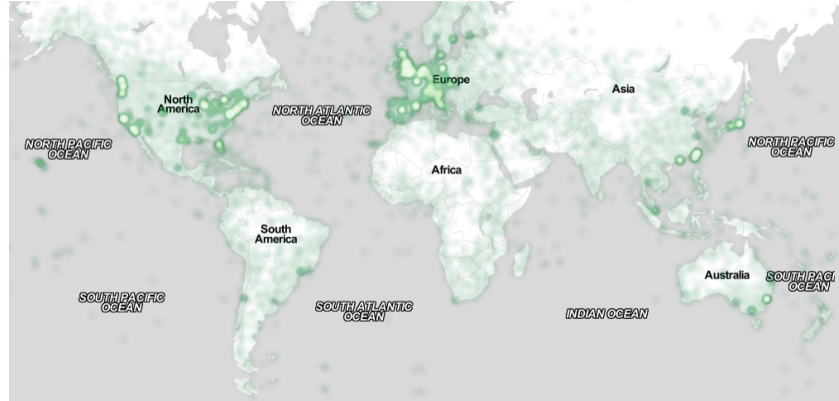




Figure 3: In this image, the map maximizes use of space. You can make figures as wide as you need, up to a maximum of the full width of both columns. Note that \LaTeX tends to render large figures on a dedicated page. Image:   ayman on Flickr.

	First	Location
Child	22.5	Melbourne
Adult	22.0	Bogotá
Gene	22.0	Palo Alto
John	34.5	Minneapolis

Table 2: A simple narrow table in the left margin space.

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