{tag} {/tag}
International Journal of Computer Applications

Volume 96 - Number 16

Year of Publication: 2014

Authors:
Elaachak Lotfi

Belahbib Amine

Bouhorma Mohammed

10.5120/16881-6888
{bibtex}pxc3896888.bib{/bibtex}

Abstract

The game genre is an important feature for organizing, accessing and developing video games; however the choice of the genre during the process of video games making requires expertise and thorough study which can sometimes lead to unexpected issues due to the bad choice that can affect the final result. In this paper, we will present the application of analytic hierarchical process method "AHP" to resolve the problem of game genre selection, then, we will discuss the results to see if the chosen method gives the right decision that will help game developers to choose easily the correct game genre.

References

- Fullerton, T. , Swain, C. , and Hoffman, S. 2004. Game Design Workshop: Designing, Prototyping, and Play testing Games. CMP Boocks, February.
- ESA. 2005. Entertainment Software Association / NPD Group 2005 Sales and Genre Data. http://www. theesa. com/facts/salesgenredata. php, viewed March 20, 2007.

- Lee, J. H. , Karlova, N. , Clarke, R. I. , Thornton, K. , &Perti, A. (2014). Facet Analysis of Video Game Genres. In iConference 2014 Proceedings (p. 125–139).
- Chen, M. F. , Tzeng, G. H. , Ding, CG. , Combining Fuzzy AHP with MDS In Identifying The Preference Similarity of Alternatives. Applied Soft Computing, vol1 pp. 110-117,2008.
- Nijkamp, P. , Rietveld, P. , Voogd, H. , 1990. Multi-criteria Evaluation in Physical Planning. North-Holland, Amsterdam.
- Howard, A. F. , 1991. A critical look at multiple criteria decision-making techniques with reference to forestry applications. Canadian Journal of Forest Research 21, 1649–1659.
- Keeney, R. L. , 1992. Value-Focused Thinking: A Path to Creative Decision Analysis. Harvard University Press, Cambridge.
- Hajkowicz, S. A. , Prato, T. , 1998. Multiple objective decision analysis of farming systems in Goodwater Creek Watershed, Missouri. Research Report No. 24, Centre for Agriculture, Resources and Environmental Systems, Columbia, Missouri.
- Massam, B. H. , 1988. Multi-criteria decision-making techniques in planning. Progress in Planning 30, 1–84.
- Saaty, T. L. The Analytic Hierarchy Process. New York, New York: McGraw-Hill International, 1980.
- Schmoldt, Daniel L. , et al. The Analytic Heirarchy Process in Natural Resource and Environmental Decision Making. Dordrecht, the Netherlands: Kluwer Academic Publishers, p 15, 2001.
- Vaidya, O. S. , Kumar, S. , 2006. Analytic hierarchy process: An overview of applications. European Journal of Operational Research 169 (1), 1–29.
- Steuer, R. E. , Na, P. , 2003. Multiple criteria decision making combined with finance: A categorized bibliographic study European Journal of Operational Research 150 (3), 496–515.
- Sglab, Video games statistical study. Internet: www. sglab. ma/list [May. 15, 2014].

Index Terms

Computer Science Information Sciences

Keywords

AHP Multi-criteria Decision Making Game genre