Bare Demo of IEEEtran.cls for Conferences

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Abstract—In this paper we present relevant definitions and design considerations of special interest to those interested in human-behavior modeling software. The guidelines presented here are based off of a user-survey and expert-panel review performed in development of the BehaviorSim model-building tool designed especially for use in behavioral science. Lessons learned through iterations of this tool and unique considerations for those targeting behavioral scientists are highlighted. Our initial survey of 12 behavioral scientists reveals the diversity of opinions on and approaches to behavior modeling within the community. In order to address this, a theory-agnostic method for defining Human Behavior Models (HBMs) is proposed and techniques for supporting different modeling paradigms within a single user interface are discussed.

I. INTRODUCTION

* what is an HBM? (in short)

* why are they important for the future behavioral research? [**?**]

* why do researchers need a tool for HBM development?

II. RELEVANT LIT

* other modeling softwares (and why it doesnt fit this use case)

* HBM examples /citeRivera

* UI for specialist systems

III. USER STORIES

how does HBM model building fit into research process?

IV. DESIGN GUIDELINES

(overview and definitions)

* single-page design

* information-searching / focus+context design

* walk-through first use instead of tutorial (see, copy, do) /cite?

* use existing terminology (but also define it)

V. METHODOLOGY

* user survey

* expert panel review

VI. INFORMING USER STORY W/ SURVEY DATA

what do the users want? (ref user survey)

VII. DESIGN GUIDELINE SUPPORT AND EXAMPLES FROM PAST ITERATIONS OF MODEL BUILDER

* multipage vs single-page (v0.1-¿v0.2)

* inquiries in panel-reviews

* single-page is overwhelming

* multiple terminologies from user surveys /citeontology customizable?

VIII. CONCLUSION

The conclusion goes here.

REFERENCES

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.