

Recommending Functions in Spreadsheets from the Fuse Corpus

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Abstract—The most common form of end-user programming software is spreadsheets. Despite spreadsheets having a large array of functions built-in, most of these functions are underused. We look into modern recommender system technology to address this problem. We present a collaborative filtering based function recommender system for spreadsheets. Our evaluation of the recommender system shows that the suggested functions are indeed helpful to real world spreadsheet users. In this paper, we detail the methodology used to implement the system and the evaluation process. In addition, we outline a road-map to integrate the system as an effective tool in MS Excel.

I. INTRODUCTION

II. RELATED WORK

III. METHODOLOGY

A. Fuse Spreadsheet Corpus

B. Modified Collaborative Filtering

IV. EVALUATION

V. RESULTS

VI. DISCUSSION

VII. LIMITATIONS & FUTURE WORK

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