

Data Mining - Assignment 1

A restaurant owner has a core menu that has remained constant throughout the past two years, while many other dishes have rotated on and off the menu. The owner has prepared a dataset of all orders containing elements of that core menu in which the customer also ordered wine. The dataset has 3 columns: *orderNumber* which identifies each individual person's order at a table, *order* which itemizes the order's components, and *type* which provides the type of item in the order (takes one of 3 values: 'Meat', 'Side', 'Wine').

The restaurant owner would like to add wine suggestions to the menu next to each meat and analyze her customer ordering habits in general. She is also interested in showing a picture of a popular meal of hers in an ad in Gourmet Diner magazine. Your job is to address her interests and also to report anything else of interest in terms of customer ordering habits, all in a nice *summary* report that is complete but *to the point*.