

As error detection is imperative in this operation, two nethods of detection can be utilised: - during transmission of data, parity bits can be used to detect errors in byter sent across their communications links. Using a start and stop bit, each byte can be detected for errors by checking their bit patterns. - a 32 bit CRC (cyclic, redundary check) can also be used, and provides 99.99% error detection, The number of bits of the data is devided by a pre-set numeral and the remainder of the division is used to verify the CRC done at the source to the CRC done at the destination. trends that can be utilized by Madison include: using data about customes to send

email or snail - mail containing advertisements



and/or offer to promote spending

from purchases to look for trend of spending in different stores, and from what income and age groups those spending patterns or igninated. This Can be used by Madison to market products differently in different stores appropriate to the data collected.

C) the messaging issues relament to the situation are mainly ethical. It is un-ethical for employees to talk about another employee in a law manner. It is especially un-ethical to do so in a campany email system where anyone could gain access to the email and show the target of un-ethical conversion.