1014-O1-143   **Andrew Bennett** (`bennett@math.ksu.edu`), KSU Dept. of Mathematics, Cardwell Hall, Manhattan, KS 66506, **Genevra Neumann*** (`neumann@math.ksu.edu`), KSU Dept. of Mathematics, Cardwell Hall, Manhattan, KS 66506, **Eric Lawrence** (`ealaw@math.ksu.edu`), KSU Dept. of Mathematics, Cardwell Hall, Manhattan, KS 66506, and **Elena Verbych** (`elena@ksu.edu`), KSU Dept. of Statistics, Dickens Hall, Manhattan, KS 66506. *Data-Mining an Online Homework System.* Preliminary report.

The use of computer-based tools, such as online homework systems, has become more widespread over the past several years. Do such tools help students learn? Which students are helped most? Which students are helped least? How can we measure their effectiveness? We will discuss how we are using a mix of quantitative techniques (data-mining) and qualitative techniques (interviews) to study these questions. (Received August 02, 2005)