

1077-G1-2930 **Brian A. Macdonald*** (bmac@jhu.edu). *An introduction to quantitative analysis in hockey.*

We will give an introduction to analyzing team and player performance in hockey. We'll discuss problems with using goals alone to measure team performance and discuss other statistics that are better than goals at predicting future goals. We'll talk about plus-minus, problems with plus-minus, and ways to adjust plus-minus in an attempt to correct these problems. Finally, we'll discuss how weighted shots can be used to analyze goalies, skaters, and teams. (Received September 23, 2011)