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**Bill Trok\*** ([william.trok@uky.edu](mailto:william.trok@uky.edu)). *Lefschetz Failure and Hyperplane Arrangements*. Preliminary report.

Macaulay-Matlis duality gives a relationship between the Lefschetz properties of quotients of polynomial rings by powers of linear forms and the geometry of fat point schemes. We discuss a further relationship relating certain properties of fat points, to properties of the dual Hyperplane arrangement, generalizing a relationship already known for the projective plane. We will also discuss some new results in the planar case, and connections with Lefschetz properties. (Received January 22, 2018)