Catch Probability Distributions Under Different Rules Catch Probability Distributions for Defensive Pass Interference For 9 total defensive pass interference catch plays For 2139 total catch plays greater than 10 yards 3 -3 Penalty Imposed Spot of Foul Density 5 10 Yard Penalty 15 Yard Penalty 20 Yard Penalty 0 -0.25 0.25 0.50 0.75 1.00 0.50 0.75 0.00 Catch Probability **Catch Probability** Catch Probability Distributions for Offensive Pass Interference Catch Probability Distributions for non-PI Penalties For 7 total offensive pass interference catch plays For the other 106 catch plays with a penalty called 3 -3 -Density 5 0 -0.2 0.6 0.8 0.25 0.50 0.75 0.00 0.4 **Catch Probability Catch Probability**