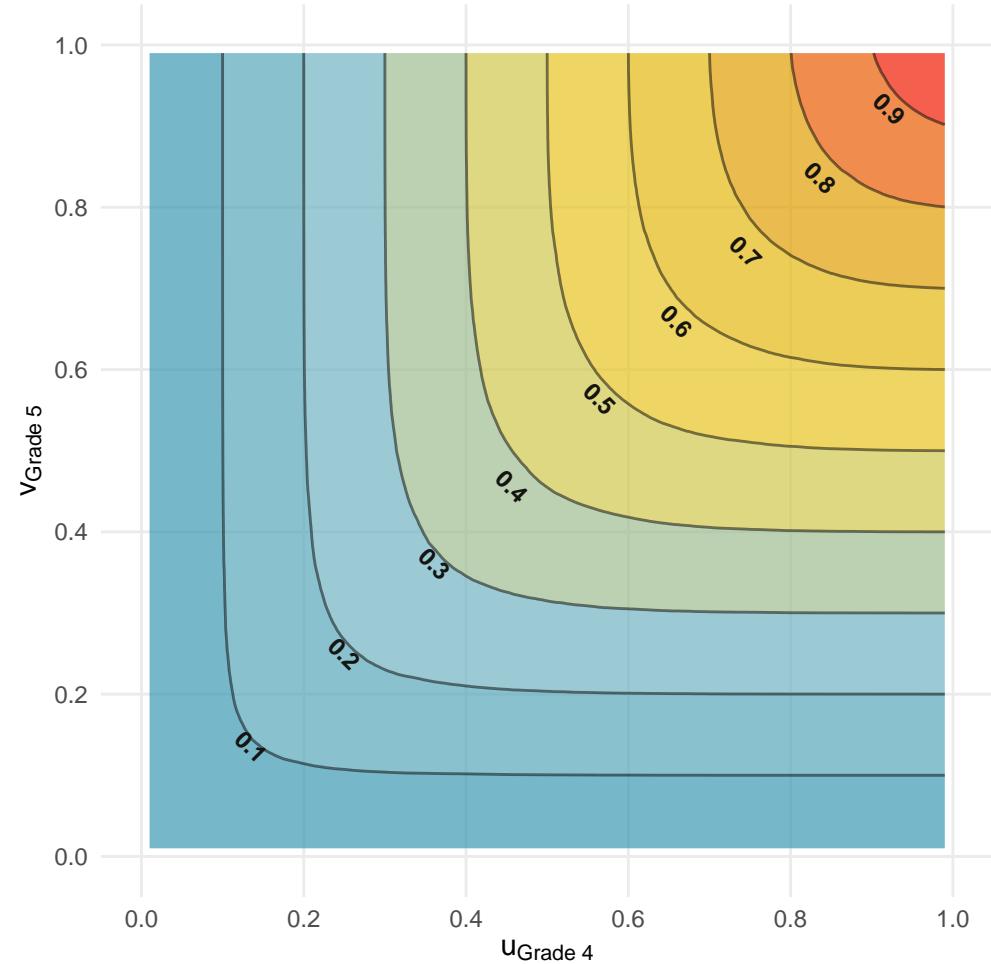


Copula Analysis: Data Set 1, Year 2005→2006, Grade 4→5, MATHEMATICS

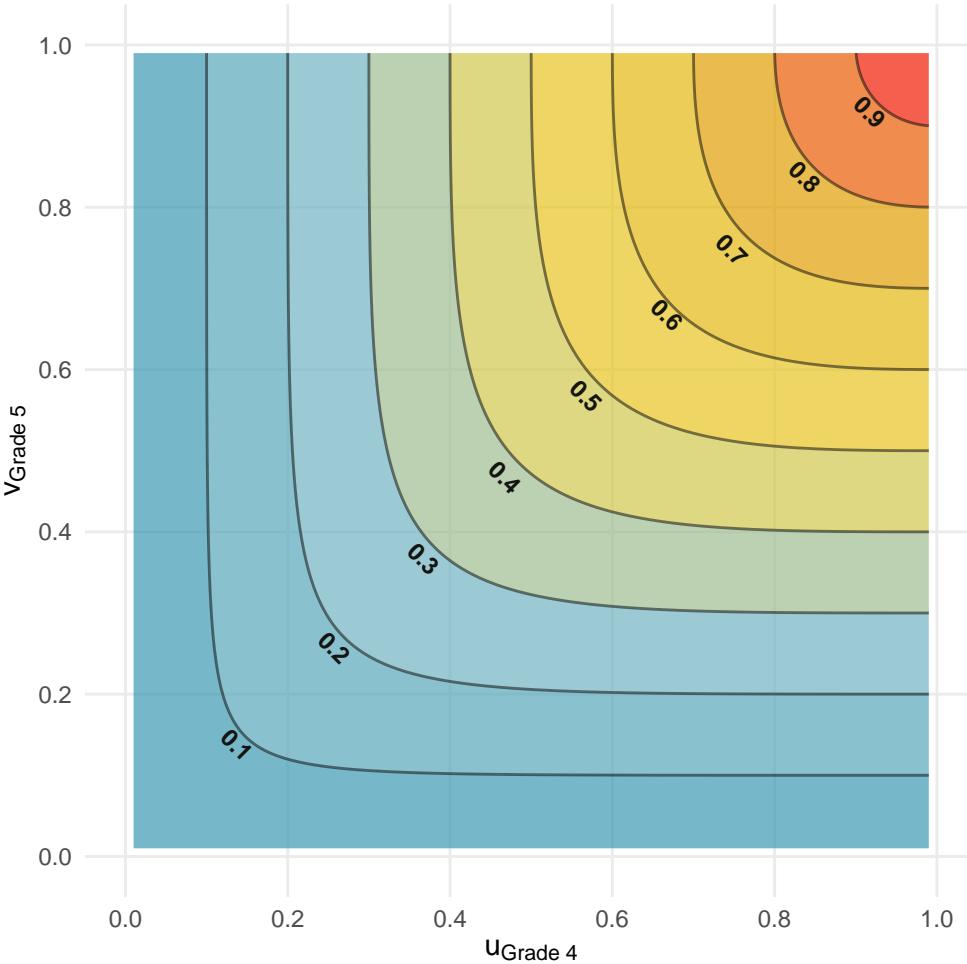
Empirical Copula ($\tau = 0.678$, n = 51,536)

Mathematics | 2005 Grade 4 → 2006 Grade 5



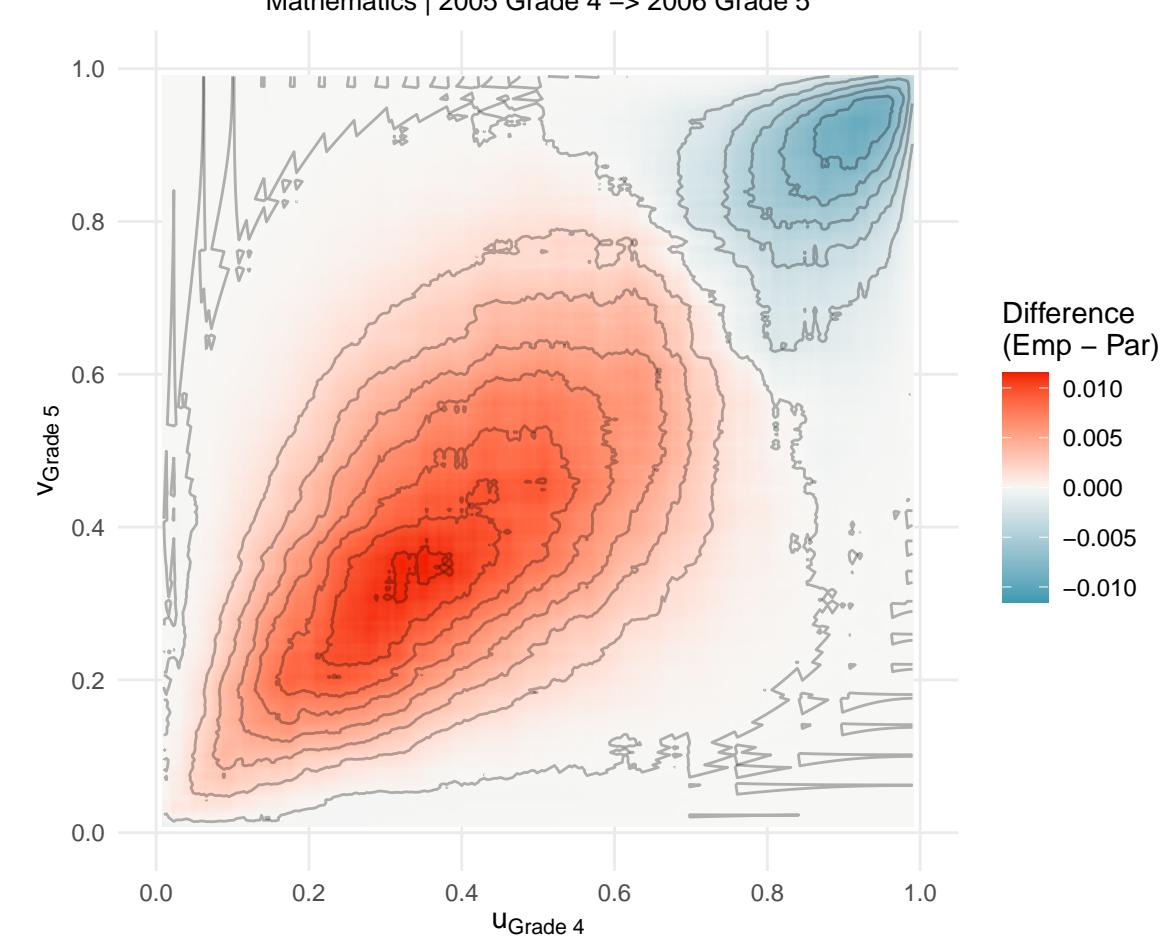
t Copula ($\tau = 0.660$, n = 51,536)

Mathematics | 2005 Grade 4 → 2006 Grade 5



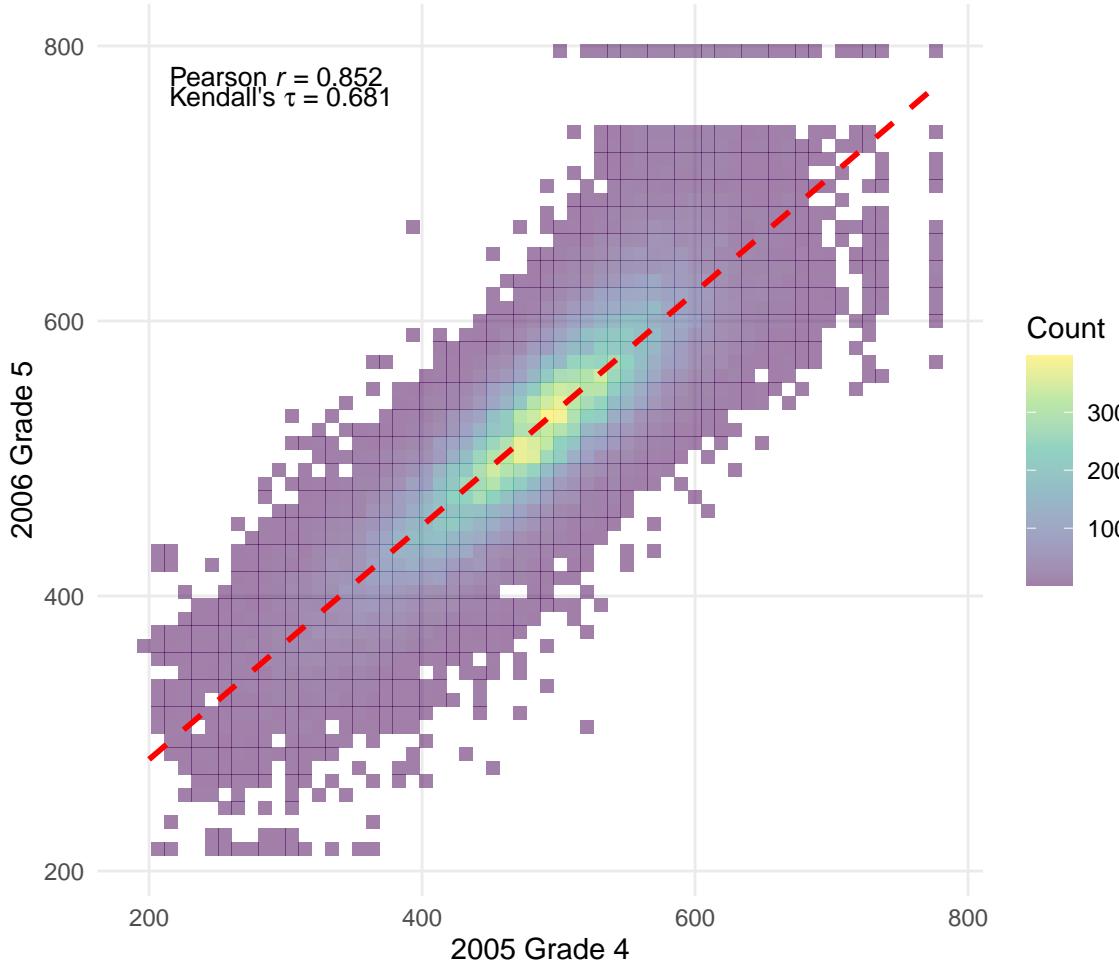
CDF Difference: Empirical – t Copula

Mathematics | 2005 Grade 4 → 2006 Grade 5



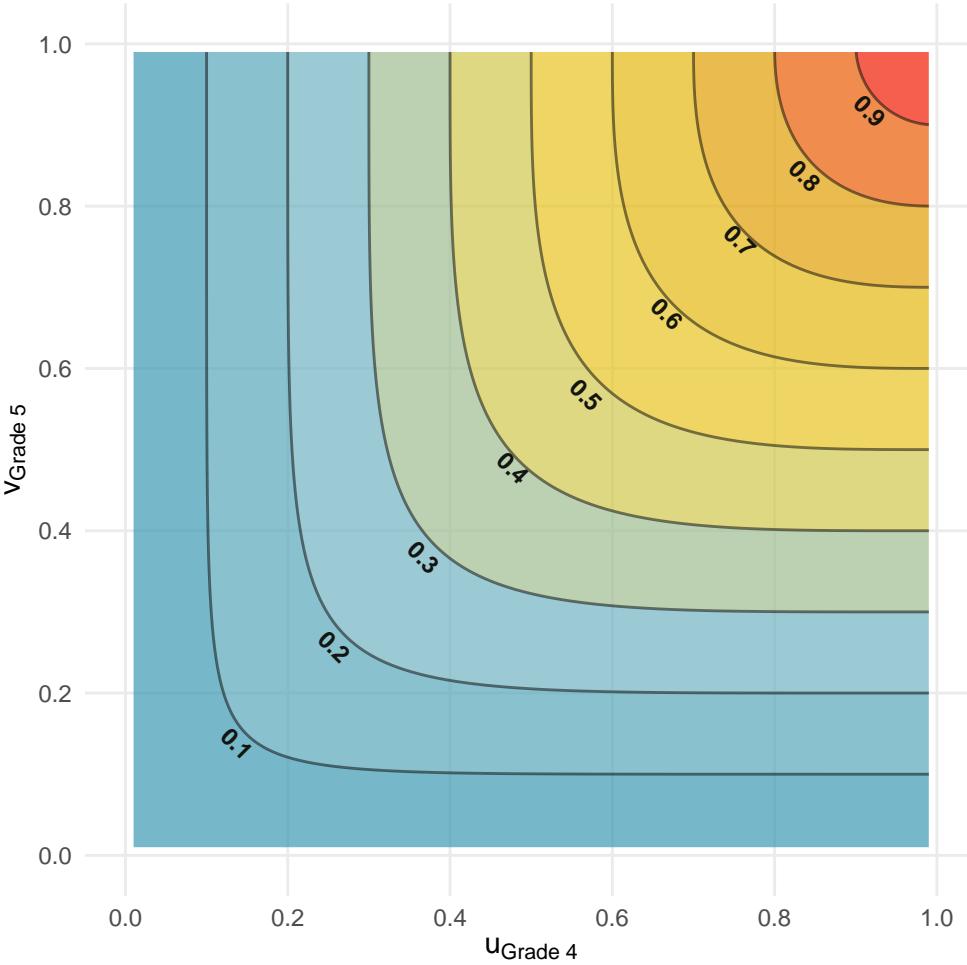
Original Score Distribution (n = 51,536)

Mathematics | 2005 Grade 4 → 2006 Grade 5



Gaussian Copula ($\tau = 0.657$, n = 51,536)

Mathematics | 2005 Grade 4 → 2006 Grade 5



Clayton Copula ($\tau = 0.678$, n = 51,536)

Mathematics | 2005 Grade 4 → 2006 Grade 5

