# Code to create the Table 4 database:

# i01w06 = item 1 for the woman instructor for course section 6

i01w06 <- c(rep\_len(5,15),rep\_len(4,14),rep\_len(3,19),rep\_len(2,8),rep\_len(1,2))

i02w06 <- c(rep\_len(5,16),rep\_len(4,21),rep\_len(3,18),rep\_len(2,2),rep\_len(1,1))

i03w06 <- c(rep\_len(5,13),rep\_len(4,17),rep\_len(3,15),rep\_len(2,10),rep\_len(1,3))

i04w06 <- c(rep\_len(5,13),rep\_len(4,24),rep\_len(3,18),rep\_len(2,2),rep\_len(1,1))

i05w06 <- c(rep\_len(5,14),rep\_len(4,19),rep\_len(3,20),rep\_len(2,2),rep\_len(1,3))

i06w06 <- c(rep\_len(5,15),rep\_len(4,10),rep\_len(3,25),rep\_len(2,5),rep\_len(1,3))

i07w06 <- c(rep\_len(5,15),rep\_len(4,27),rep\_len(3,12),rep\_len(2,3),rep\_len(1,1))

i08w06 <- c(rep\_len(5,15),rep\_len(4,25),rep\_len(3,13),rep\_len(2,4),rep\_len(1,1))

i09w06 <- c(rep\_len(5,12),rep\_len(4,14),rep\_len(3,14),rep\_len(2,14),rep\_len(1,4))

i10w06 <- c(rep\_len(5,14),rep\_len(4,16),rep\_len(3,19),rep\_len(2,6),rep\_len(1,3))

i11w06 <- c(rep\_len(5,13),rep\_len(4,19),rep\_len(3,13),rep\_len(2,8),rep\_len(1,5))

i12w06 <- c(rep\_len(5,14),rep\_len(4,21),rep\_len(3,14),rep\_len(2,5),rep\_len(1,4))

i13w06 <- c(rep\_len(5,11),rep\_len(4,26),rep\_len(3,13),rep\_len(2,5),rep\_len(1,3))

i14w06 <- c(rep\_len(5,19),rep\_len(4,29),rep\_len(3,5),rep\_len(2,3),rep\_len(1,2))

i15w06 <- c(rep\_len(5,16),rep\_len(4,25),rep\_len(3,10),rep\_len(2,3),rep\_len(1,4))

i16w06 <- c(rep\_len(5,17),rep\_len(4,21),rep\_len(3,14),rep\_len(2,2),rep\_len(1,4))

i17w06 <- c(rep\_len(5,17),rep\_len(4,24),rep\_len(3,12),rep\_len(2,3),rep\_len(1,2))

i18w06 <- c(rep\_len(5,17),rep\_len(4,26),rep\_len(3,10),rep\_len(2,3),rep\_len(1,2))

i19w06 <- c(rep\_len(5,15),rep\_len(4,17),rep\_len(3,20),rep\_len(2,2),rep\_len(1,4))

i20w06 <- c(rep\_len(5,15),rep\_len(4,24),rep\_len(3,15),rep\_len(2,2),rep\_len(1,2))

i21w06 <- c(rep\_len(5,20),rep\_len(4,34),rep\_len(3,2),rep\_len(2,2),rep\_len(1,0))

i22w06 <- c(rep\_len(5,18),rep\_len(4,23),rep\_len(3,14),rep\_len(2,2),rep\_len(1,1))

i23w06 <- c(rep\_len(5,23),rep\_len(4,30),rep\_len(3,4),rep\_len(2,1),rep\_len(1,0))

i01w07 <- c(rep\_len(5,7),rep\_len(4,14),rep\_len(3,9),rep\_len(2,4),rep\_len(1,6))

i02w07 <- c(rep\_len(5,6),rep\_len(4,15),rep\_len(3,17),rep\_len(2,1),rep\_len(1,1))

i03w07 <- c(rep\_len(5,5),rep\_len(4,10),rep\_len(3,13),rep\_len(2,7),rep\_len(1,5))

i04w07 <- c(rep\_len(5,7),rep\_len(4,14),rep\_len(3,14),rep\_len(2,2),rep\_len(1,3))

i05w07 <- c(rep\_len(5,7),rep\_len(4,15),rep\_len(3,16),rep\_len(2,0),rep\_len(1,2))

i06w07 <- c(rep\_len(5,5),rep\_len(4,17),rep\_len(3,10),rep\_len(2,5),rep\_len(1,3))

i07w07 <- c(rep\_len(5,8),rep\_len(4,16),rep\_len(3,9),rep\_len(2,3),rep\_len(1,4))

i08w07 <- c(rep\_len(5,8),rep\_len(4,15),rep\_len(3,8),rep\_len(2,5),rep\_len(1,4))

i09w07 <- c(rep\_len(5,4),rep\_len(4,12),rep\_len(3,10),rep\_len(2,9),rep\_len(1,5))

i10w07 <- c(rep\_len(5,7),rep\_len(4,14),rep\_len(3,14),rep\_len(2,3),rep\_len(1,2))

i11w07 <- c(rep\_len(5,4),rep\_len(4,18),rep\_len(3,7),rep\_len(2,4),rep\_len(1,7))

i12w07 <- c(rep\_len(5,6),rep\_len(4,18),rep\_len(3,8),rep\_len(2,3),rep\_len(1,5))

i13w07 <- c(rep\_len(5,6),rep\_len(4,21),rep\_len(3,8),rep\_len(2,3),rep\_len(1,2))

i14w07 <- c(rep\_len(5,12),rep\_len(4,17),rep\_len(3,6),rep\_len(2,1),rep\_len(1,4))

i15w07 <- c(rep\_len(5,7),rep\_len(4,13),rep\_len(3,11),rep\_len(2,4),rep\_len(1,5))

i16w07 <- c(rep\_len(5,9),rep\_len(4,18),rep\_len(3,9),rep\_len(2,2),rep\_len(1,2))

i17w07 <- c(rep\_len(5,10),rep\_len(4,19),rep\_len(3,5),rep\_len(2,3),rep\_len(1,3))

i18w07 <- c(rep\_len(5,7),rep\_len(4,25),rep\_len(3,4),rep\_len(2,1),rep\_len(1,3))

i19w07 <- c(rep\_len(5,10),rep\_len(4,16),rep\_len(3,8),rep\_len(2,4),rep\_len(1,2))

i20w07 <- c(rep\_len(5,8),rep\_len(4,17),rep\_len(3,13),rep\_len(2,1),rep\_len(1,1))

i21w07 <- c(rep\_len(5,16),rep\_len(4,21),rep\_len(3,2),rep\_len(2,1),rep\_len(1,0))

i22w07 <- c(rep\_len(5,13),rep\_len(4,12),rep\_len(3,11),rep\_len(2,3),rep\_len(1,1))

i23w07 <- c(rep\_len(5,17),rep\_len(4,16),rep\_len(3,5),rep\_len(2,2),rep\_len(1,0))

i01w08 <- c(rep\_len(5,5),rep\_len(4,7),rep\_len(3,18),rep\_len(2,7),rep\_len(1,5))

i02w08 <- c(rep\_len(5,7),rep\_len(4,9),rep\_len(3,22),rep\_len(2,1),rep\_len(1,3))

i03w08 <- c(rep\_len(5,5),rep\_len(4,8),rep\_len(3,17),rep\_len(2,7),rep\_len(1,5))

i04w08 <- c(rep\_len(5,6),rep\_len(4,8),rep\_len(3,17),rep\_len(2,5),rep\_len(1,6))

i05w08 <- c(rep\_len(5,7),rep\_len(4,11),rep\_len(3,17),rep\_len(2,3),rep\_len(1,4))

i06w08 <- c(rep\_len(5,7),rep\_len(4,10),rep\_len(3,14),rep\_len(2,5),rep\_len(1,6))

i07w08 <- c(rep\_len(5,6),rep\_len(4,10),rep\_len(3,12),rep\_len(2,9),rep\_len(1,5))

i08w08 <- c(rep\_len(5,6),rep\_len(4,11),rep\_len(3,13),rep\_len(2,8),rep\_len(1,4))

i09w08 <- c(rep\_len(5,5),rep\_len(4,8),rep\_len(3,11),rep\_len(2,8),rep\_len(1,10))

i10w08 <- c(rep\_len(5,6),rep\_len(4,10),rep\_len(3,16),rep\_len(2,2),rep\_len(1,8))

i11w08 <- c(rep\_len(5,7),rep\_len(4,8),rep\_len(3,8),rep\_len(2,10),rep\_len(1,9))

i12w08 <- c(rep\_len(5,5),rep\_len(4,11),rep\_len(3,12),rep\_len(2,10),rep\_len(1,4))

i13w08 <- c(rep\_len(5,8),rep\_len(4,11),rep\_len(3,9),rep\_len(2,8),rep\_len(1,6))

i14w08 <- c(rep\_len(5,12),rep\_len(4,5),rep\_len(3,11),rep\_len(2,6),rep\_len(1,8))

i15w08 <- c(rep\_len(5,9),rep\_len(4,8),rep\_len(3,10),rep\_len(2,10),rep\_len(1,5))

i16w08 <- c(rep\_len(5,10),rep\_len(4,14),rep\_len(3,11),rep\_len(2,4),rep\_len(1,3))

i17w08 <- c(rep\_len(5,11),rep\_len(4,14),rep\_len(3,11),rep\_len(2,3),rep\_len(1,3))

i18w08 <- c(rep\_len(5,10),rep\_len(4,13),rep\_len(3,14),rep\_len(2,3),rep\_len(1,2))

i19w08 <- c(rep\_len(5,8),rep\_len(4,8),rep\_len(3,17),rep\_len(2,6),rep\_len(1,3))

i20w08 <- c(rep\_len(5,11),rep\_len(4,9),rep\_len(3,16),rep\_len(2,4),rep\_len(1,2))

i21w08 <- c(rep\_len(5,14),rep\_len(4,20),rep\_len(3,4),rep\_len(2,3),rep\_len(1,1))

i22w08 <- c(rep\_len(5,12),rep\_len(4,10),rep\_len(3,14),rep\_len(2,3),rep\_len(1,3))

i23w08 <- c(rep\_len(5,13),rep\_len(4,15),rep\_len(3,8),rep\_len(2,4),rep\_len(1,2))

i01w09 <- c(rep\_len(5,3),rep\_len(4,3),rep\_len(3,13),rep\_len(2,3),rep\_len(1,5))

i02w09 <- c(rep\_len(5,2),rep\_len(4,9),rep\_len(3,12),rep\_len(2,1),rep\_len(1,3))

i03w09 <- c(rep\_len(5,3),rep\_len(4,5),rep\_len(3,10),rep\_len(2,4),rep\_len(1,5))

i04w09 <- c(rep\_len(5,4),rep\_len(4,13),rep\_len(3,6),rep\_len(2,1),rep\_len(1,3))

i05w09 <- c(rep\_len(5,4),rep\_len(4,12),rep\_len(3,7),rep\_len(2,1),rep\_len(1,3))

i06w09 <- c(rep\_len(5,4),rep\_len(4,8),rep\_len(3,9),rep\_len(2,3),rep\_len(1,3))

i07w09 <- c(rep\_len(5,5),rep\_len(4,8),rep\_len(3,7),rep\_len(2,2),rep\_len(1,5))

i08w09 <- c(rep\_len(5,3),rep\_len(4,8),rep\_len(3,9),rep\_len(2,4),rep\_len(1,3))

i09w09 <- c(rep\_len(5,4),rep\_len(4,8),rep\_len(3,8),rep\_len(2,2),rep\_len(1,5))

i10w09 <- c(rep\_len(5,4),rep\_len(4,8),rep\_len(3,10),rep\_len(2,2),rep\_len(1,3))

i11w09 <- c(rep\_len(5,3),rep\_len(4,8),rep\_len(3,7),rep\_len(2,2),rep\_len(1,7))

i12w09 <- c(rep\_len(5,4),rep\_len(4,9),rep\_len(3,7),rep\_len(2,3),rep\_len(1,4))

i13w09 <- c(rep\_len(5,5),rep\_len(4,12),rep\_len(3,5),rep\_len(2,1),rep\_len(1,4))

i14w09 <- c(rep\_len(5,5),rep\_len(4,11),rep\_len(3,6),rep\_len(2,2),rep\_len(1,3))

i15w09 <- c(rep\_len(5,5),rep\_len(4,7),rep\_len(3,4),rep\_len(2,7),rep\_len(1,4))

i16w09 <- c(rep\_len(5,3),rep\_len(4,12),rep\_len(3,6),rep\_len(2,1),rep\_len(1,5))

i17w09 <- c(rep\_len(5,4),rep\_len(4,11),rep\_len(3,4),rep\_len(2,2),rep\_len(1,6))

i18w09 <- c(rep\_len(5,4),rep\_len(4,13),rep\_len(3,5),rep\_len(2,2),rep\_len(1,3))

i19w09 <- c(rep\_len(5,4),rep\_len(4,10),rep\_len(3,6),rep\_len(2,3),rep\_len(1,4))

i20w09 <- c(rep\_len(5,4),rep\_len(4,12),rep\_len(3,6),rep\_len(2,2),rep\_len(1,3))

i21w09 <- c(rep\_len(5,6),rep\_len(4,13),rep\_len(3,5),rep\_len(2,2),rep\_len(1,1))

i22w09 <- c(rep\_len(5,4),rep\_len(4,10),rep\_len(3,10),rep\_len(2,0),rep\_len(1,3))

i23w09 <- c(rep\_len(5,6),rep\_len(4,12),rep\_len(3,4),rep\_len(2,2),rep\_len(1,3))

i01m10 <- c(rep\_len(5,6),rep\_len(4,12),rep\_len(3,10),rep\_len(2,1),rep\_len(1,3))

i02m10 <- c(rep\_len(5,7),rep\_len(4,17),rep\_len(3,7),rep\_len(2,0),rep\_len(1,1))

i03m10 <- c(rep\_len(5,5),rep\_len(4,15),rep\_len(3,6),rep\_len(2,3),rep\_len(1,3))

i04m10 <- c(rep\_len(5,6),rep\_len(4,16),rep\_len(3,8),rep\_len(2,0),rep\_len(1,2))

i05m10 <- c(rep\_len(5,6),rep\_len(4,18),rep\_len(3,6),rep\_len(2,0),rep\_len(1,2))

i06m10 <- c(rep\_len(5,7),rep\_len(4,13),rep\_len(3,9),rep\_len(2,2),rep\_len(1,1))

i07m10 <- c(rep\_len(5,8),rep\_len(4,13),rep\_len(3,8),rep\_len(2,2),rep\_len(1,1))

i08m10 <- c(rep\_len(5,6),rep\_len(4,15),rep\_len(3,8),rep\_len(2,2),rep\_len(1,1))

i09m10 <- c(rep\_len(5,5),rep\_len(4,10),rep\_len(3,13),rep\_len(2,1),rep\_len(1,3))

i10m10 <- c(rep\_len(5,5),rep\_len(4,16),rep\_len(3,7),rep\_len(2,3),rep\_len(1,1))

i11m10 <- c(rep\_len(5,7),rep\_len(4,13),rep\_len(3,8),rep\_len(2,1),rep\_len(1,3))

i12m10 <- c(rep\_len(5,7),rep\_len(4,13),rep\_len(3,9),rep\_len(2,1),rep\_len(1,2))

i13m10 <- c(rep\_len(5,7),rep\_len(4,14),rep\_len(3,8),rep\_len(2,0),rep\_len(1,3))

i14m10 <- c(rep\_len(5,9),rep\_len(4,17),rep\_len(3,5),rep\_len(2,0),rep\_len(1,1))

i15m10 <- c(rep\_len(5,7),rep\_len(4,15),rep\_len(3,6),rep\_len(2,2),rep\_len(1,2))

i16m10 <- c(rep\_len(5,6),rep\_len(4,16),rep\_len(3,5),rep\_len(2,4),rep\_len(1,1))

i17m10 <- c(rep\_len(5,7),rep\_len(4,13),rep\_len(3,8),rep\_len(2,3),rep\_len(1,1))

i18m10 <- c(rep\_len(5,6),rep\_len(4,16),rep\_len(3,8),rep\_len(2,1),rep\_len(1,1))

i19m10 <- c(rep\_len(5,6),rep\_len(4,17),rep\_len(3,8),rep\_len(2,0),rep\_len(1,1))

i20m10 <- c(rep\_len(5,5),rep\_len(4,18),rep\_len(3,6),rep\_len(2,2),rep\_len(1,1))

i21m10 <- c(rep\_len(5,9),rep\_len(4,20),rep\_len(3,3),rep\_len(2,0),rep\_len(1,0))

i22m10 <- c(rep\_len(5,7),rep\_len(4,17),rep\_len(3,6),rep\_len(2,1),rep\_len(1,1))

i23m10 <- c(rep\_len(5,8),rep\_len(4,18),rep\_len(3,3),rep\_len(2,2),rep\_len(1,1))

i01m11 <- c(rep\_len(5,7),rep\_len(4,5),rep\_len(3,6),rep\_len(2,1),rep\_len(1,0))

i02m11 <- c(rep\_len(5,8),rep\_len(4,4),rep\_len(3,6),rep\_len(2,1),rep\_len(1,0))

i03m11 <- c(rep\_len(5,9),rep\_len(4,2),rep\_len(3,5),rep\_len(2,2),rep\_len(1,1))

i04m11 <- c(rep\_len(5,7),rep\_len(4,6),rep\_len(3,5),rep\_len(2,1),rep\_len(1,0))

i05m11 <- c(rep\_len(5,9),rep\_len(4,6),rep\_len(3,4),rep\_len(2,0),rep\_len(1,0))

i06m11 <- c(rep\_len(5,8),rep\_len(4,3),rep\_len(3,6),rep\_len(2,2),rep\_len(1,0))

i07m11 <- c(rep\_len(5,8),rep\_len(4,6),rep\_len(3,5),rep\_len(2,0),rep\_len(1,0))

i08m11 <- c(rep\_len(5,8),rep\_len(4,2),rep\_len(3,8),rep\_len(2,0),rep\_len(1,1))

i09m11 <- c(rep\_len(5,7),rep\_len(4,4),rep\_len(3,5),rep\_len(2,2),rep\_len(1,1))

i10m11 <- c(rep\_len(5,6),rep\_len(4,5),rep\_len(3,6),rep\_len(2,1),rep\_len(1,1))

i11m11 <- c(rep\_len(5,7),rep\_len(4,4),rep\_len(3,4),rep\_len(2,2),rep\_len(1,2))

i12m11 <- c(rep\_len(5,6),rep\_len(4,4),rep\_len(3,6),rep\_len(2,1),rep\_len(1,2))

i13m11 <- c(rep\_len(5,7),rep\_len(4,2),rep\_len(3,7),rep\_len(2,1),rep\_len(1,2))

i14m11 <- c(rep\_len(5,6),rep\_len(4,8),rep\_len(3,4),rep\_len(2,0),rep\_len(1,1))

i15m11 <- c(rep\_len(5,7),rep\_len(4,5),rep\_len(3,5),rep\_len(2,0),rep\_len(1,2))

i16m11 <- c(rep\_len(5,6),rep\_len(4,4),rep\_len(3,8),rep\_len(2,0),rep\_len(1,1))

i17m11 <- c(rep\_len(5,6),rep\_len(4,3),rep\_len(3,7),rep\_len(2,1),rep\_len(1,2))

i18m11 <- c(rep\_len(5,7),rep\_len(4,6),rep\_len(3,4),rep\_len(2,1),rep\_len(1,1))

i19m11 <- c(rep\_len(5,7),rep\_len(4,5),rep\_len(3,5),rep\_len(2,1),rep\_len(1,1))

i20m11 <- c(rep\_len(5,6),rep\_len(4,8),rep\_len(3,4),rep\_len(2,0),rep\_len(1,1))

i21m11 <- c(rep\_len(5,7),rep\_len(4,6),rep\_len(3,5),rep\_len(2,0),rep\_len(1,1))

i22m11 <- c(rep\_len(5,6),rep\_len(4,5),rep\_len(3,7),rep\_len(2,0),rep\_len(1,1))

i23m11 <- c(rep\_len(5,7),rep\_len(4,5),rep\_len(3,6),rep\_len(2,1),rep\_len(1,0))

# Code to check the numbers above:

rev(table(i01w06))

rev(table(i02w06))

rev(table(i03w06))

rev(table(i04w06))

rev(table(i05w06))

rev(table(i06w06))

rev(table(i07w06))

rev(table(i08w06))

rev(table(i09w06))

rev(table(i10w06))

rev(table(i11w06))

rev(table(i12w06))

rev(table(i13w06))

rev(table(i14w06))

rev(table(i15w06))

rev(table(i16w06))

rev(table(i17w06))

rev(table(i18w06))

rev(table(i19w06))

rev(table(i20w06))

rev(table(i21w06))

rev(table(i22w06))

rev(table(i23w06))

rev(table(i01w07))

rev(table(i02w07))

rev(table(i03w07))

rev(table(i04w07))

rev(table(i05w07))

rev(table(i06w07))

rev(table(i07w07))

rev(table(i08w07))

rev(table(i09w07))

rev(table(i10w07))

rev(table(i11w07))

rev(table(i12w07))

rev(table(i13w07))

rev(table(i14w07))

rev(table(i15w07))

rev(table(i16w07))

rev(table(i17w07))

rev(table(i18w07))

rev(table(i19w07))

rev(table(i20w07))

rev(table(i21w07))

rev(table(i22w07))

rev(table(i23w07))

rev(table(i01w08))

rev(table(i02w08))

rev(table(i03w08))

rev(table(i04w08))

rev(table(i05w08))

rev(table(i06w08))

rev(table(i07w08))

rev(table(i08w08))

rev(table(i09w08))

rev(table(i10w08))

rev(table(i11w08))

rev(table(i12w08))

rev(table(i13w08))

rev(table(i14w08))

rev(table(i15w08))

rev(table(i16w08))

rev(table(i17w08))

rev(table(i18w08))

rev(table(i19w08))

rev(table(i20w08))

rev(table(i21w08))

rev(table(i22w08))

rev(table(i23w08))

rev(table(i01w09))

rev(table(i02w09))

rev(table(i03w09))

rev(table(i04w09))

rev(table(i05w09))

rev(table(i06w09))

rev(table(i07w09))

rev(table(i08w09))

rev(table(i09w09))

rev(table(i10w09))

rev(table(i11w09))

rev(table(i12w09))

rev(table(i13w09))

rev(table(i14w09))

rev(table(i15w09))

rev(table(i16w09))

rev(table(i17w09))

rev(table(i18w09))

rev(table(i19w09))

rev(table(i20w09))

rev(table(i21w09))

rev(table(i22w09))

rev(table(i23w09))

rev(table(i01m10))

rev(table(i02m10))

rev(table(i03m10))

rev(table(i04m10))

rev(table(i05m10))

rev(table(i06m10))

rev(table(i07m10))

rev(table(i08m10))

rev(table(i09m10))

rev(table(i10m10))

rev(table(i11m10))

rev(table(i12m10))

rev(table(i13m10))

rev(table(i14m10))

rev(table(i15m10))

rev(table(i16m10))

rev(table(i17m10))

rev(table(i18m10))

rev(table(i19m10))

rev(table(i20m10))

rev(table(i21m10))

rev(table(i22m10))

rev(table(i23m10))

rev(table(i01m11))

rev(table(i02m11))

rev(table(i03m11))

rev(table(i04m11))

rev(table(i05m11))

rev(table(i06m11))

rev(table(i07m11))

rev(table(i08m11))

rev(table(i09m11))

rev(table(i10m11))

rev(table(i11m11))

rev(table(i12m11))

rev(table(i13m11))

rev(table(i14m11))

rev(table(i15m11))

rev(table(i16m11))

rev(table(i17m11))

rev(table(i18m11))

rev(table(i19m11))

rev(table(i20m11))

rev(table(i21m11))

rev(table(i22m11))

rev(table(i23m11))

# Code to reproduce MM Table 4:

mitchell.t41 <- c(i01w06,i02w06,i03w06,i04w06,i05w06,i01w07,i02w07,i03w07,i04w07,i05w07,i01w08,i02w08,i03w08,i04w08,i05w08,i01w09,i02w09,i03w09,i04w09,i05w09)

martin.t41 <- c(i01m10,i02m10,i03m10,i04m10,i05m10,i01m11,i02m11,i03m11,i04m11,i05m11)

summary(mitchell.t41)

summary(martin.t41)

length(mitchell.t41)

length(martin.t41)

t.test(mitchell.t41,martin.t41,var.equal=TRUE)

mitchell.t42 <- c(i06w06,i07w06,i08w06,i09w06,i10w06,i06w07,i07w07,i08w07,i09w07,i10w07,i06w08,i07w08,i08w08,i09w08,i10w08,i06w09,i07w09,i08w09,i09w09,i10w09)

martin.t42 <- c(i06m10,i07m10,i08m10,i09m10,i10m10,i06m11,i07m11,i08m11,i09m11,i10m11)

summary(mitchell.t42)

summary(martin.t42)

length(mitchell.t42)

length(martin.t42)

t.test(mitchell.t42,martin.t42,var.equal=TRUE)

mitchell.t43 <- c(i11w06,i12w06,i13w06,i14w06,i15w06,i16w06,i17w06,i11w07,i12w07,i13w07,i14w07,i15w07,i16w07,i17w07,i11w08,i12w08,i13w08,i14w08,i15w08,i16w08,i17w08,i11w09,i12w09,i13w09,i14w09,i15w09,i16w09,i17w09)

martin.t43 <- c(i11m10,i12m10,i13m10,i14m10,i15m10,i16m10,i17m10,i11m11,i12m11,i13m11,i14m11,i15m11,i16m11,i17m11)

summary(mitchell.t43)

summary(martin.t43)

length(mitchell.t43)

length(martin.t43)

t.test(mitchell.t43,martin.t43,var.equal=TRUE)

mitchell.t44 <- c(i18w06,i19w06,i20w06,i18w07,i19w07,i20w07,i18w08,i19w08,i20w08,i18w09,i19w09,i20w09)

martin.t44 <- c(i18m10,i19m10,i20m10,i18m11,i19m11,i20m11)

summary(mitchell.t44)

summary(martin.t44)

length(mitchell.t44)

length(martin.t44)

t.test(mitchell.t44,martin.t44,var.equal=TRUE)

mitchell.t45 <- c(i21w06,i22w06,i23w06,i21w07,i22w07,i23w07,i21w08,i22w08,i23w08,i21w09,i22w09,i23w09)

martin.t45 <- c(i21m10,i22m10,i23m10,i21m11,i22m11,i23m11)

summary(mitchell.t45)

summary(martin.t45)

length(mitchell.t45)

length(martin.t45)

t.test(mitchell.t45,martin.t45,var.equal=TRUE)

# Code for t-tests with no assumption of equal variances, for a Mitchell/Martin comparison for each item:

# Item 1 [Instructor] (p=0.014, Martin higher)

mitchell.01 <-c(i01w06,i01w07,i01w08,i01w09)

martin.01 <-c(i01m10,i01m11)

t.test(mitchell.01,martin.01,var.equal=FALSE)

# Item 2 [Instructor] (p=0.013, Martin higher)

mitchell.02 <-c(i02w06,i02w07,i02w08,i02w09)

martin.02 <-c(i02m10,i02m11)

t.test(mitchell.02,martin.02,var.equal=FALSE)

# Item 3 [Instructor] (p=0.020, Martin higher)

mitchell.03 <-c(i03w06,i03w07,i03w08,i03w09)

martin.03 <-c(i03m10,i03m11)

t.test(mitchell.03,martin.03,var.equal=FALSE)

# Item 4 [Instructor] (p=0.033, Martin higher)

mitchell.04 <-c(i04w06,i04w07,i04w08,i04w09)

martin.04 <-c(i04m10,i04m11)

t.test(mitchell.04,martin.04,var.equal=FALSE)

# Item 5 [Instructor] (p=0.006, Martin higher)

mitchell.05 <-c(i05w06,i05w07,i05w08,i05w09)

martin.05 <-c(i05m10,i05m11)

t.test(mitchell.05,martin.05,var.equal=FALSE)

# Item 6 [Instructor/Course] (p=0.013, Martin higher)

mitchell.06 <-c(i06w06,i06w07,i06w08,i06w09)

martin.06 <-c(i06m10,i06m11)

t.test(mitchell.06,martin.06,var.equal=FALSE)

# Item 7 [Instructor/Course] (p=0.009, Martin higher)

mitchell.07 <-c(i07w06,i07w07,i07w08,i07w09)

martin.07 <-c(i07m10,i07m11)

t.test(mitchell.07,martin.07,var.equal=FALSE)

# Item 8 [Instructor/Course] (p=0.083, Martin higher)

mitchell.08 <-c(i08w06,i08w07,i08w08,i08w09)

martin.08 <-c(i08m10,i08m11)

t.test(mitchell.08,martin.08,var.equal=FALSE)

# Item 9 [Instructor/Course] (p=0.016, Martin higher)

mitchell.09 <-c(i09w06,i09w07,i09w08,i09w09)

martin.09 <-c(i09m10,i09m11)

t.test(mitchell.09,martin.09,var.equal=FALSE)

# Item 10 [Instructor/Course] (p=0.084, Martin higher)

mitchell.10 <-c(i10w06,i10w07,i10w08,i10w09)

martin.10 <-c(i10m10,i10m11)

t.test(mitchell.10,martin.10,var.equal=FALSE)

# Item 11 [Course] (p=0.023, Martin higher)

mitchell.11 <-c(i11w06,i11w07,i11w08,i11w09)

martin.11 <-c(i11m10,i11m11)

t.test(mitchell.11,martin.11,var.equal=FALSE)

# Item 12 [Course] (p=0.141, Martin higher)

mitchell.12 <-c(i12w06,i12w07,i12w08,i12w09)

martin.12 <-c(i12m10,i12m11)

t.test(mitchell.12,martin.12,var.equal=FALSE)

# Item 13 [Course] (p=0.433, Martin higher)

mitchell.13 <-c(i13w06,i13w07,i13w08,i13w09)

martin.13 <-c(i13m10,i13m11)

t.test(mitchell.13,martin.13,var.equal=FALSE)

# Item 14 [Course] (p=0.043, Martin higher)

mitchell.14 <-c(i14w06,i14w07,i14w08,i14w09)

martin.14 <-c(i14m10,i14m11)

t.test(mitchell.14,martin.14,var.equal=FALSE)

# Item 15 [Course] (p=0.071, Martin higher)

mitchell.15 <-c(i15w06,i15w07,i15w08,i15w09)

martin.15 <-c(i15m10,i15m11)

t.test(mitchell.15,martin.15,var.equal=FALSE)

# Item 16 [Course] (p=0.679, Martin higher)

mitchell.16 <-c(i16w06,i16w07,i16w08,i16w09)

martin.16 <-c(i16m10,i16m11)

t.test(mitchell.16,martin.16,var.equal=FALSE)

# Item 17 [Course] (p=0.788, Mitchell higher)

mitchell.17 <-c(i17w06,i17w07,i17w08,i17w09)

martin.17 <-c(i17m10,i17m11)

t.test(mitchell.17,martin.17,var.equal=FALSE)

# Item 18 [Technology] (p=0.617, Martin higher)

mitchell.18 <-c(i18w06,i18w07,i18w08,i18w09)

martin.18 <-c(i18m10,i18m11)

t.test(mitchell.18,martin.18,var.equal=FALSE)

# Item 19 [Technology] (p=0.039, Martin higher)

mitchell.19 <-c(i19w06,i19w07,i19w08,i19w09)

martin.19 <-c(i19m10,i19m11)

t.test(mitchell.19,martin.19,var.equal=FALSE)

# Item 20 [Technology] (p=0.348, Martin higher)

mitchell.20 <-c(i20w06,i20w07,i20w08,i20w09)

martin.20 <-c(i20m10,i20m11)

t.test(mitchell.20,martin.20,var.equal=FALSE)

# Item 21 [Administrative] (p=0.832, Mitchell higher)

mitchell.21 <-c(i21w06,i21w07,i21w08,i21w09)

martin.21 <-c(i21m10,i21m11)

t.test(mitchell.21,martin.21,var.equal=FALSE)

# Item 22 [Administrative] (p=0.552, Martin higher)

mitchell.22 <-c(i22w06,i22w07,i22w08,i22w09)

martin.22 <-c(i22m10,i22m11)

t.test(mitchell.22,martin.22,var.equal=FALSE)

# Item 23 [Administrative] (p=0.563, Mitchell higher)

mitchell.23 <-c(i23w06,i23w07,i23w08,i23w09)

martin.23 <-c(i23m10,i23m11)

t.test(mitchell.23,martin.23,var.equal=FALSE)