**A**

1. 14 items in total (no 2, 7, 8, 9, 13, 16 — based on MODFIT done for MLG)

2. 13 final items for MLG (no 15 — based on MLG item pars) baseline model DIF analysis

3. For GGUM: should use 12 items (no 11 (No.7) and 19 (No.13) in addition to Steps 1 and 2, because they have 0s for option 1, which prevent GGUM2004 from running) — Items 1, 3-6, 10, 12, 14-15, and 17-18, and 20.

**4. ~~I think I should keep these two items in the analysis, and just skip them in the baseline model tests –because I want GGUM to use as much information as possible when estimating things like the parameters – I can do both ways, and compare the results; no big deal; have already done when the 2 items were deleted. –Or maybe not… Can’t conclude if the 2 items have DIF (0110\_2016) –~~ Eventually these 2 items were not included in the analysis**

**5. To avoid losing 2 items, I dichotomized all items in order to keep Items 11 and 19. Now I’m using 14 items in total, and they are 1, 3-6, 10-12, 14-15, and 17-20.**

**C**

1. 17 items in total (no 1, 6, 8 — based on MODFIT done for MLG)

2. 15 final items for MLG (no 13, 17 — based on MLG item pars) baseline model DIF analysis

3. For GGUM: should use 17 items from #1 — Items 2-5, 7, 9-20

**E**

1. 20 items in total (no item dropped — based on MODFIT done for MLG)

2. 19 final items for MLG (no 11 — based on MLG item pars) baseline model DIF analysis

3. For GGUM: should use all 20 items from #1 — Items 1-20

**4. Update: #8, 12, 19 gives GGUM error – FORTRAN pauses**

**5. 01102016\_Update: #8, 12, 15, 18, and 19 all gave GGUM error – FORTRAN pauses – After removing 8, 12, and 19, 15 became the problematic one. After removing 15 also, 18 became the bad item that prevent GGUM from estimating item pars**

**Web (N) — what this facet really measures in our analysis is well-being instead of neuroticism**

1. 17 items in total (no 6, 19, 20 — based on MODFIT done for MLG)

2. 16 final items for MLG (no 17 — based on MLG item pars) baseline model DIF analysis

3. For GGUM: should use 17 items from #1 — Items 1-5, 7-18.

**O**

1. 18 items in total (no 9, 16 — based on MODFIT done for MLG)

2. 16 final items for MLG (no 13, 19 — based on MLG item pars) baseline model DIF analysis

3. For GGUM: should use 18 items from #1 — Items 1-8, 10-15, and 17-20

4. **For GGUM (update): should use 16 items (Item10 (No.9) because of CH sample and Item 12 (No.11) because of US sample; have 0 frequencies for option 1 🡪 GGUM error) – Items 1-8, 11, 13-15, and 17-20)**

**5. Solution: see #4 in A**

**Now I’m going to use the unrecoded datasets for the GGUM analysis. Missing values are coded as -9.**

**6. To avoid losing 2 items, this facet was also dichotomized, which means Items 10 and 12 are kept. Therefore, items used for GGUM baseline models are 1-8, 10-15, and 17-20.**