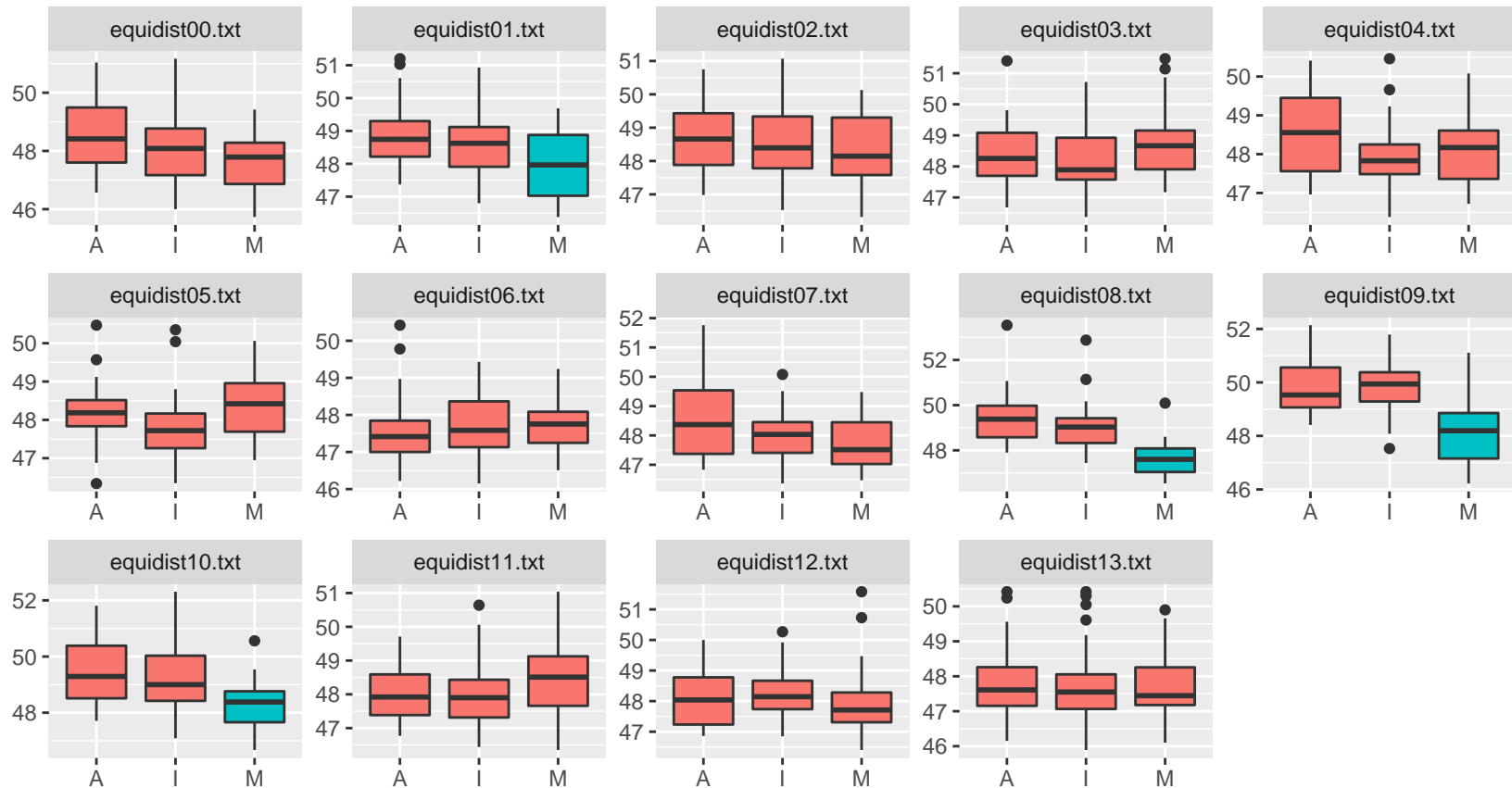ILS dao