

Final Project 2

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Introduction

This report analyzes the `ocd_patient_dataset.csv` dataset, which contains information on demographic details, clinical information, symptom severity, co-occurring mental health conditions, medication history, and family history of patients diagnosed with Obsessive-Compulsive Disorder (OCD). The objectives of this analysis are:

- Explore the demographic characteristics of OCD patients
- Analyze the demographic and duration of symptoms, obsession type, and compulsive type
- Identify if there are any patterns or trends in certain ethnicities or family history of OCD

Data Loading

Demographic Characteristics

This table provides insights into the education level reported by individuals of different ethnicity within the OCD patient dataset.

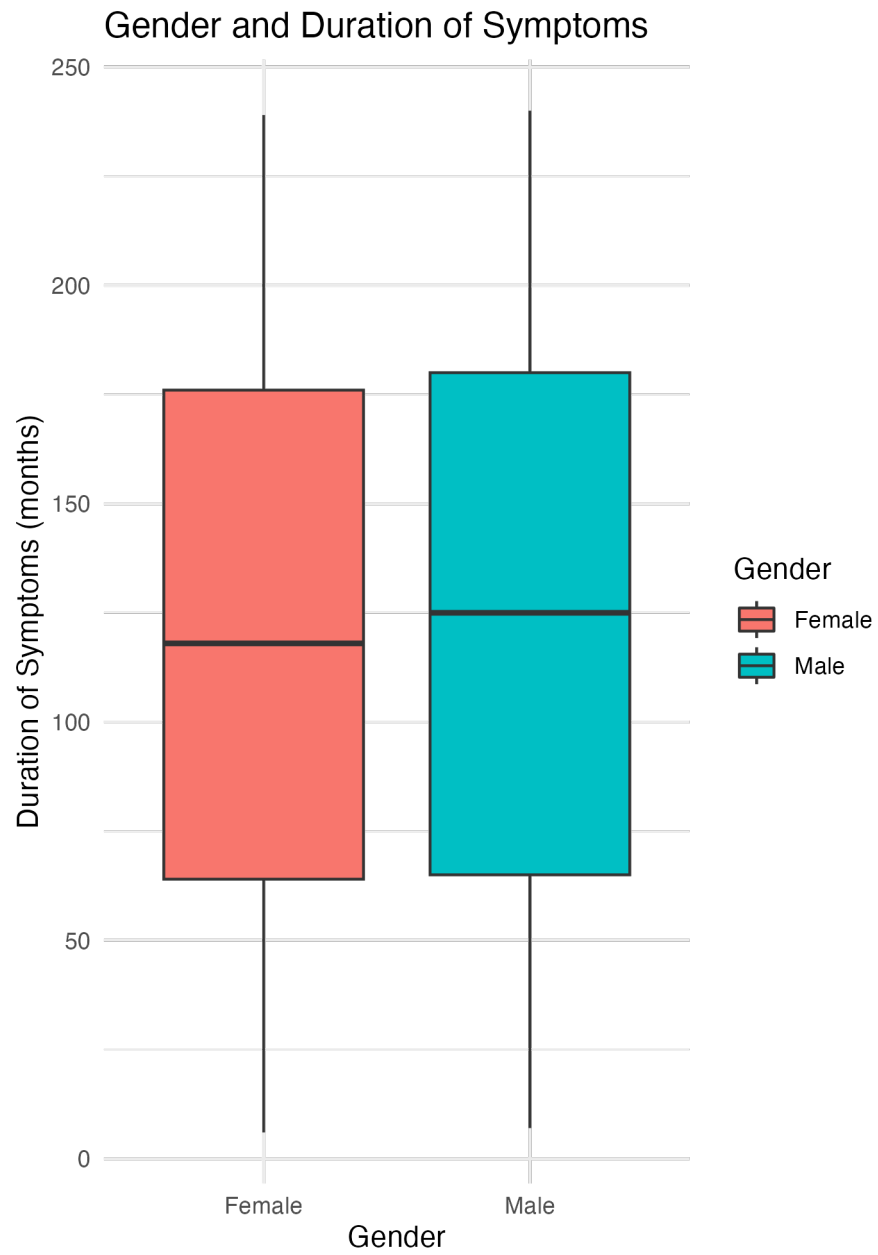
```
## Table printed with 'knitr::kable()', not {gt}. Learn why at
## https://www.danieldsjoberg.com/gtsummary/articles/rmarkdown.html
## To suppress this message, include 'message = FALSE' in code chunk header.
```

Characteristic	African, N = 324	Asian, N = 386	Caucasian, N = 398	Hispanic, N = 392
Gender				
Female	145 (45%)	209 (54%)	203 (51%)	190 (48%)
Male	179 (55%)	177 (46%)	195 (49%)	202 (52%)
Marital.Status				
Divorced	114 (35%)	119 (31%)	130 (33%)	119 (30%)

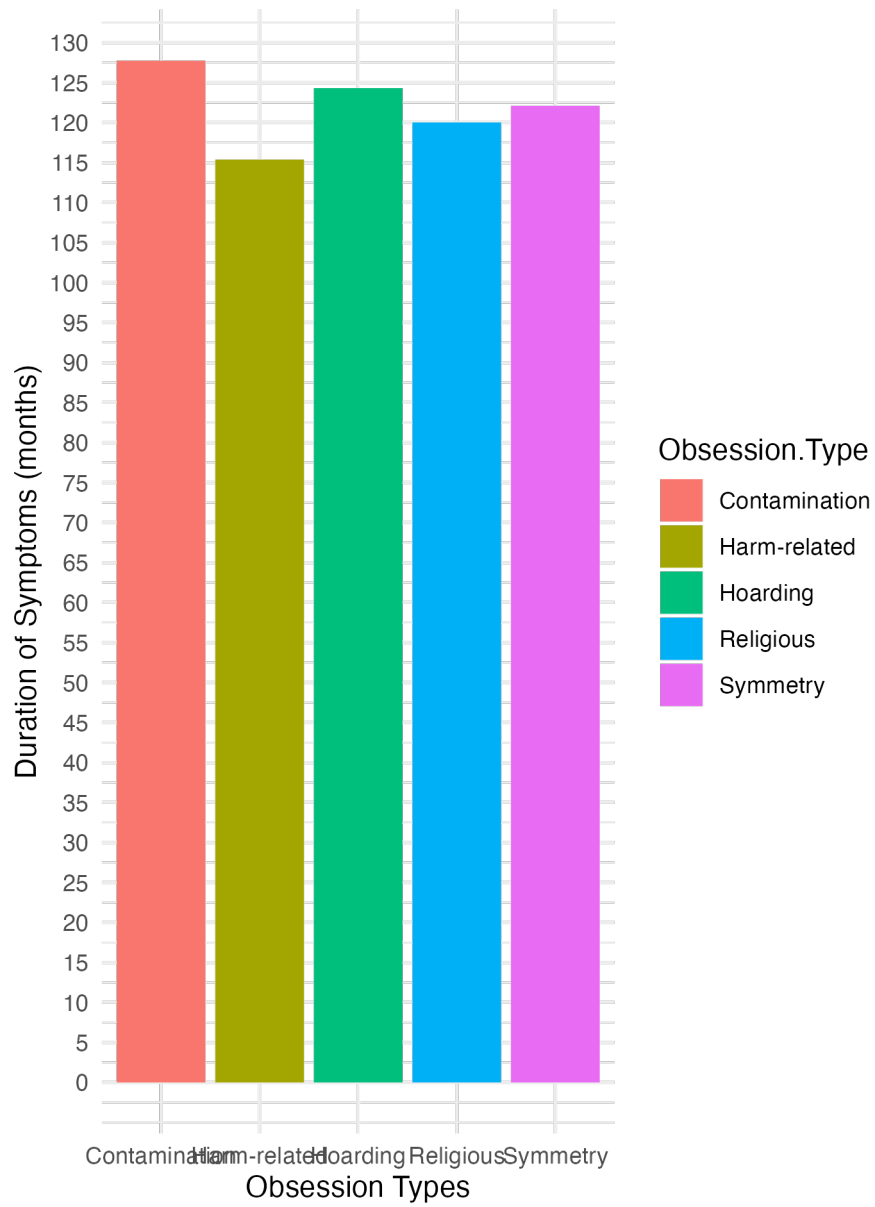
Characteristic	African, N = 324	Asian, N = 386	Caucasian, N = 398	Hispanic, N = 392
Married	100 (31%)	129 (33%)	141 (35%)	137 (35%)
Single	110 (34%)	138 (36%)	127 (32%)	136 (35%)
Education.Level				
College Degree	75 (23%)	99 (26%)	94 (24%)	98 (25%)
Graduate Degree	76 (23%)	91 (24%)	118 (30%)	91 (23%)
High School	92 (28%)	90 (23%)	93 (23%)	89 (23%)
Some College	81 (25%)	106 (27%)	93 (23%)	114 (29%)

Graphical Analysis

Analyze the relationship between demographic factors, duration of symptoms, OCD types, and severity



Obsession Type & Avg. Duration of Symptoms



Compulsion Type & Avg. Duration of Symptoms

