

**Title:** Polycystic Ovary Syndrome (PCOS) Dataset

**Description:**

This dataset contains physical and clinical parameters of patients diagnosed with Polycystic Ovary Syndrome (PCOS). The data was collected from 10 different hospitals across Kerala, India, and includes various attributes related to menstrual health, hormonal levels, anthropometric measurements, and lifestyle factors.

**Overview:**

Polycystic Ovary Syndrome (PCOS) is a hormonal disorder common among women of reproductive age. It is characterized by irregular menstrual cycles, excess androgen levels, and polycystic ovaries. This dataset aims to aid in research on PCOS detection, risk factors, and infertility-related issues.

**Source:**

- **Author:** Prasoon Kottarathil
- **Year:** 2020
- **Publisher:** Kaggle
- **Dataset Link:** [Kaggle PCOS Dataset](#)

**Dataset Files:**

- **PCOS\_data\_without\_infertility.csv** – Contains patient-level clinical and physical parameters excluding infertility-related attributes.

**Features (Columns):**

1. **Patient Information:**

- Sl. No (Serial Number)
- Patient File No. (Unique Identifier)
- Age (yrs)
- Marital Status (Years)
- Pregnant (Y/N)
- Number of Abortions

2. **PCOS Diagnosis:**

- PCOS (Y/N)

### **3. Anthropometric Measurements:**

- Weight (Kg)
- Height (Cm)
- BMI
- Hip (inch)
- Waist (inch)
- Waist-to-Hip Ratio

### **4. Clinical Parameters:**

- Blood Group
- Pulse Rate (bpm)
- Respiratory Rate (breaths/min)
- Hemoglobin (Hb, g/dL)
- TSH (mIU/L)
- AMH (ng/mL)
- PRL (ng/mL)
- Vitamin D3 (ng/mL)
- Progesterone (PRG, ng/mL)
- Random Blood Sugar (RBS, mg/dL)

### **5. Hormonal Levels:**

- I beta-HCG (mIU/mL)
- II beta-HCG (mIU/mL)
- FSH (mIU/mL)
- LH (mIU/mL)
- FSH/LH Ratio

### **6. Menstrual Health:**

- Cycle Type (Regular/Irregular)
- Cycle Length (days)

**7. Lifestyle Factors:**

- Weight Gain (Y/N)
- Hair Growth (Y/N)
- Skin Darkening (Y/N)
- Hair Loss (Y/N)
- Pimples (Y/N)
- Fast Food Consumption (Y/N)
- Regular Exercise (Y/N)

**8. Blood Pressure:**

- BP Systolic (mmHg)
- BP Diastolic (mmHg)

**9. Ovarian Parameters:**

- Follicle Number (Left)
- Follicle Number (Right)
- Average Follicle Size (Left) (mm)
- Average Follicle Size (Right) (mm)
- Endometrium Thickness (mm)