Urban Tree Health & Risk Overview – Pune City

Total Trees in Pune

4.01M

Total wards covered

77

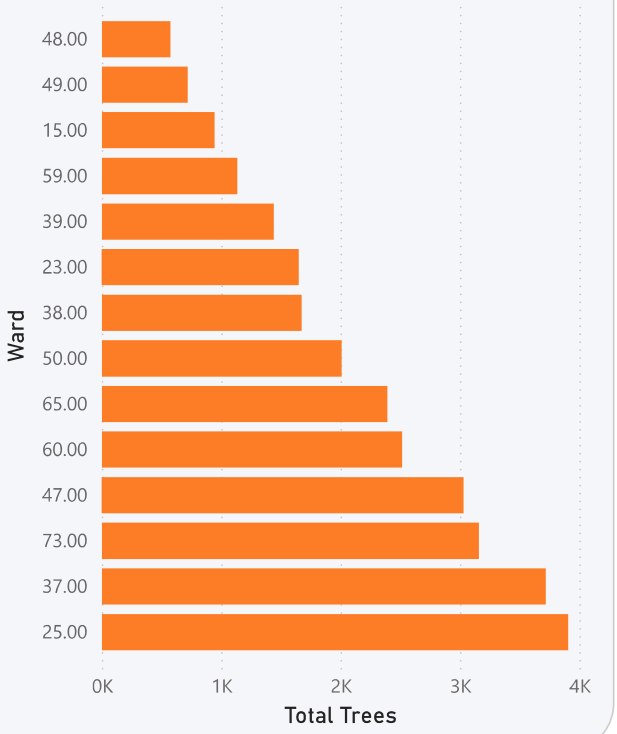
High-Risk Wards

19

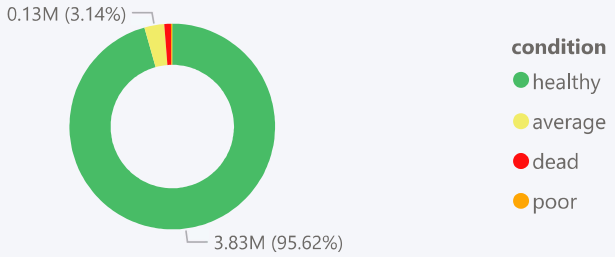
Trees Needing Attention

8.926K

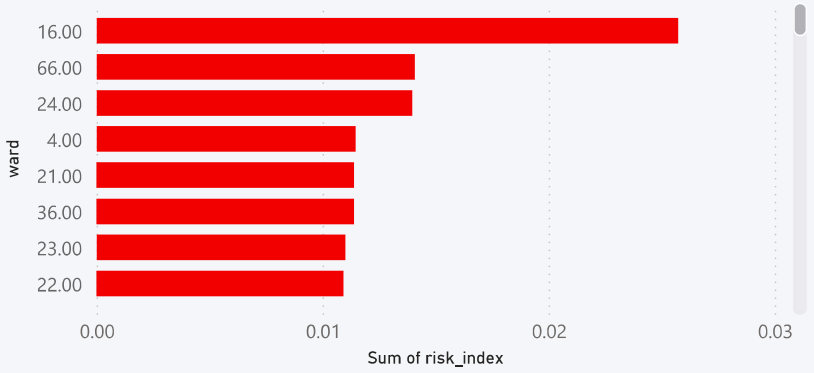
Under - served Wards



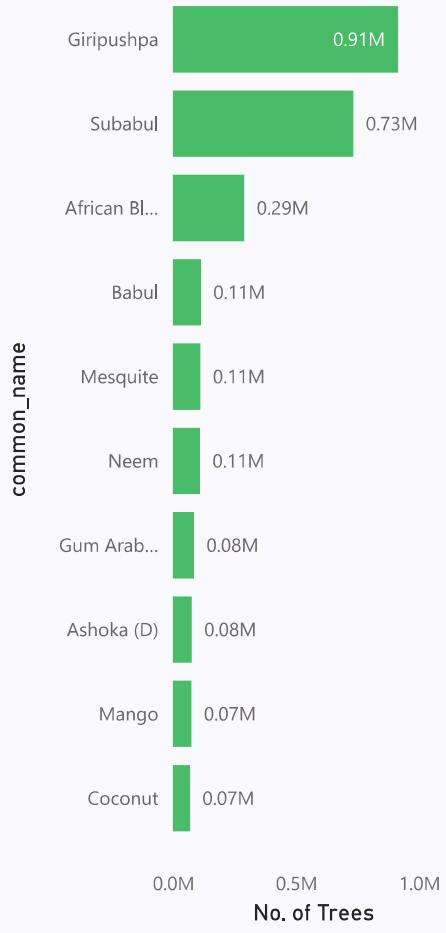
Health Status



Ward-wise Tree Risk Index



Top 10 Tree Species in Pune



Ward-Level Tree Condition & Maintenance Insights

Ward

- [ ] Select all
- [ ] 1.00
- [ ] 2.00
- [ ] 3.00
- [ ] 4.00
- [ ] 5.00
- [ ] 6.00
- [ ] 7.00
- [ ] 8.00
- [ ] 9.00
- [ ] 10.00

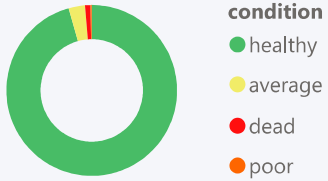
Total Trees in Selected Ward

4M

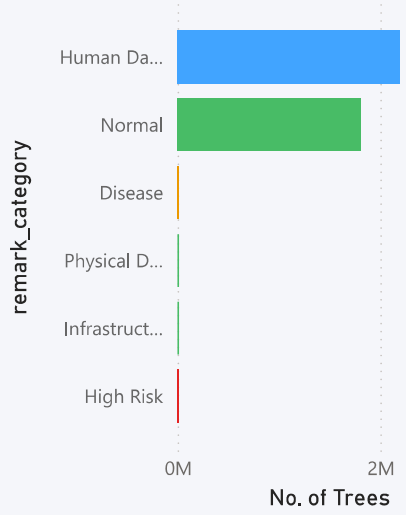
Trees Requiring Immediate Attention

9K

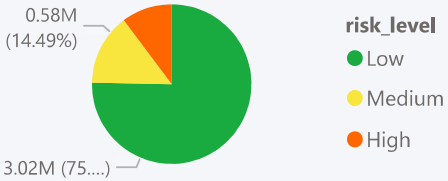
Tree Health Condition



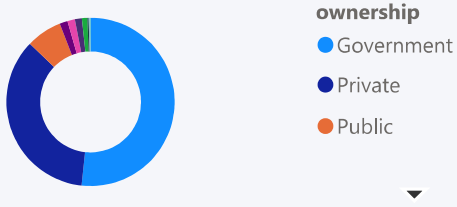
Category-wise Tree Status



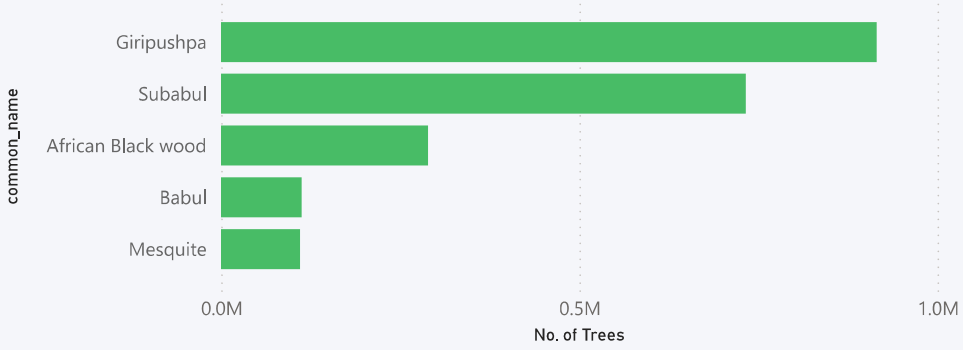
Risk Indicator



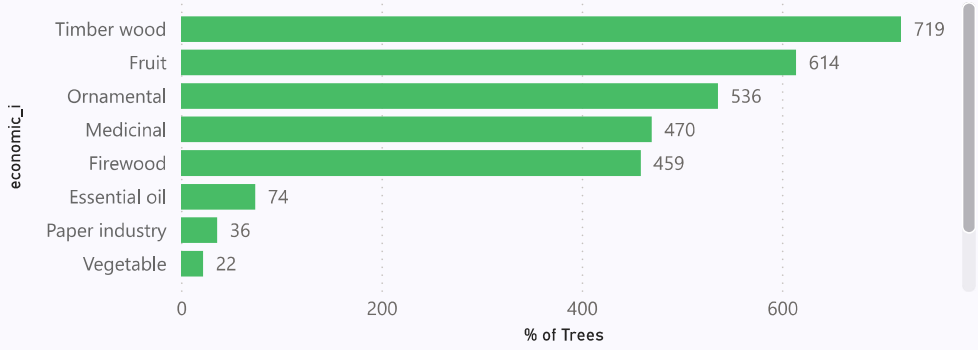
Tree Ownership Distribution



Top 5 Dominant Tree Species

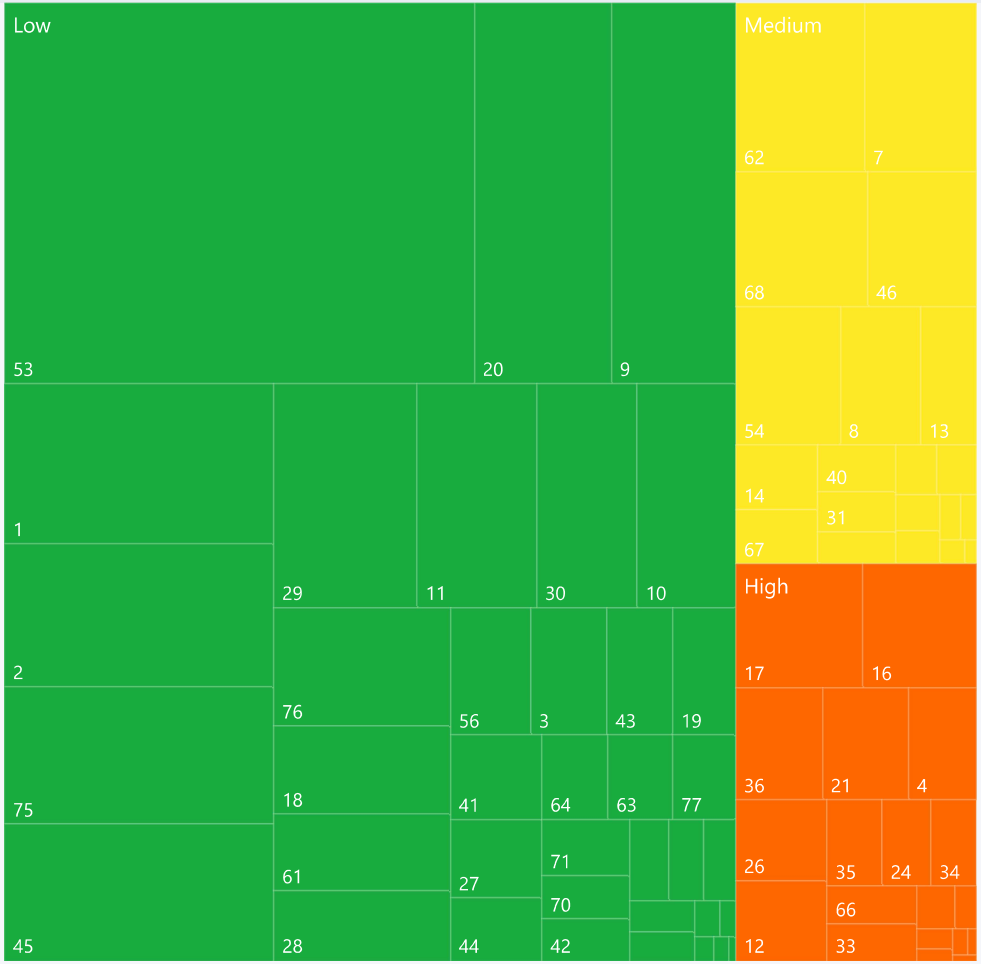


Economically Important Trees Requiring Immediate Attention

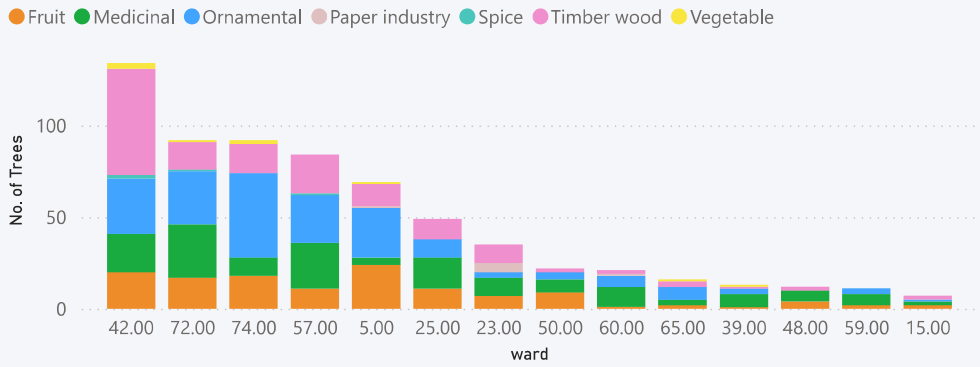


Action-Oriented Tree Health & Risk Assessment

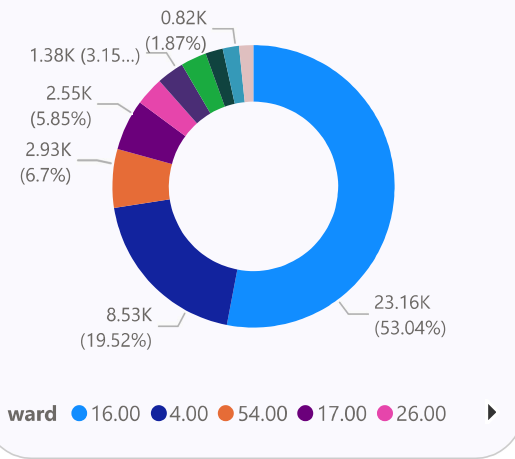
Risk Assessment



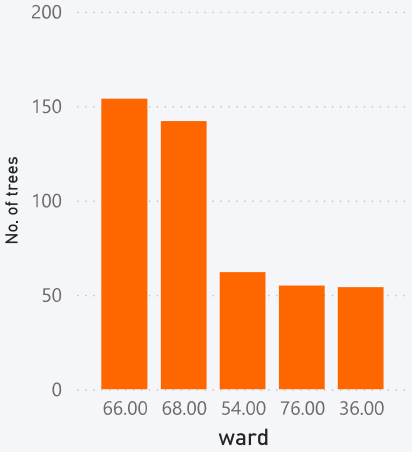
Economic Risk Concentration by Ward



Wards Requiring Proactive Monitoring



Big Trees with Poor Condition



Key Insights & Action Summary

Purpose: Translate tree census insights into actionable priorities for urban tree health, risk mitigation, and green cover planning.

City-wide Tree Health

- **~4M trees across 78 wards**, indicating strong overall green cover.
- **~8.9K trees need immediate attention**, showing localized stress pockets.
- **95% plus trees are healthy**, but ward-level risks are masked at city level.

Under-Served Wards

- Green cover is **unevenly distributed**, with several wards having low tree density.
- Low-canopy wards repeatedly appear in **high-risk analyses**.
- These wards should be **priority zones for afforestation**.

Risk-Based Prioritization

- A **small set of wards contributes most of the risk** despite high overall health.
- Enables **proactive monitoring instead of reactive maintenance**.

Damage & Prevention

- **Human-induced damage** is the leading cause of poor tree health.
- Trees with **protective collars show better health outcomes**.
- **Low-cost preventive actions** can significantly reduce future losses.