DORA Research Program

DORA — DEVOPS RESEARCH & ASSESSMENT

Google Cloud

Legend

→ Predictive Relationship: Colors are for readability and do not have meaning

Constructs grouped by theme: For readability, this has no statistical meaning

Second - order construct

Top-level constructs

- Trust → Voice
- Autonomy
- Retrospectives

Lean Product Development

- Work in Small Batches
- Make Flow of Work Visible
- Gather & Implement Customer Feedback
- Team Experimentation

Culture and Work Environment

- Climate for Learning
- Westrum Organizational Culture
- Culture of Psychological Safety
- Job Satisfaction
- Identity

Transformational Leadership

- Vision
- Inspirational Communication
- Intellectual Stimulation
- Supportive Leadership
- Personal Recognition

Change Approvals

- Clear Process
- Heavyweight Process *decreases*

Lean Management

- Limit Work in Process (WIP)
- Visual Management
- Feedback from Production

Organizational Performance

- Commercial Performance
- Non-commercial Performance

Functional Outsourcing *decreases*

SDO Performance

- Software Delivery Performance
- Availability

Technical Practices

- Test Automation
- Continuous Testing
- Deployment Automation
- Version Control
- Trunk-Based Development
- Test Data Management
- Shift Left on Security
- Monitoring & Observability
- Loosely Coupled Architecture
- Proactive Notifications
- Empowered Teams
- Database Change Management
- Continuous Integration
- Code Maintainability

- Disaster Recovery Testing
- Cloud Infrastructure

- Continuous Delivery

- *less* Burnout
- *less* Deployment Pain
- *less* Rework