Labour Statistics & Workforce Analytics Training Course

Professional Development Training Course Outline

Category	Trade Unions	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The modern labour market is undergoing rapid transformation driven by data analytics, automation, digital economy growth, AI-driven HR systems, and real-time workforce intelligence. Organizations today rely heavily on labour statistics, employment data analysis, predictive workforce modelling, and human capital analytics to make strategic decisions that improve productivity, reduce unemployment gaps, and optimize workforce planning. This training course provides a comprehensive foundation in labour market intelligence, statistical methods, and workforce analytics tools used by governments, NGOs, and private sector institutions globally.

Labour Statistics & Workforce Analytics Training Course equips participants with practical and technical skills in data-driven HR decision-making, labour force surveys, employment trend analysis, and dashboard reporting using modern analytics platforms. It bridges the gap between raw labour data and actionable insights, enabling professionals to understand labour mobility, skills demand forecasting, wage analytics, and workforce optimization strategies. Participants will gain hands-on experience using real-world datasets and case studies focused on labour statistics systems and workforce planning models.

Programme Curriculum

Labour Statistics & Workforce Analytics Training Course

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Course Duration

10 Days

Course Objectives

1. Master labour market analytics and workforce intelligence systems
2. Apply statistical techniques in employment data analysis
3. Understand labour force surveys (LFS) design and interpretation
4. Develop skills in predictive workforce planning models
5. Analyze employment trends and unemployment rate dynamics
6. Use data visualization tools for HR analytics dashboards
7. Evaluate skills gap and talent demand forecasting
8. Interpret wage distribution and compensation analytics
9. Apply big data analytics in human capital management
10. Strengthen policy analysis using labour statistics
11. Build competence in real-time workforce reporting systems
12. Enhance decision-making using labour economics indicators
13. Integrate AI-driven workforce optimization techniques

Target Audience

1. HR professionals and HR analysts
2. Labour economists and policy analysts
3. Government statisticians and census officers
4. Workforce planning managers
5. Data analysts in HR and social research
6. NGO and development sector officers
7. Business intelligence and analytics professionals
8. University researchers and postgraduate students

Course Modules

Module 1: Introduction to Labour Statistics

- Concepts of labour force and employment metrics
- Key indicators: unemployment, participation rate
- Data sources (national surveys, census, admin data)
- Role of ILO labour standards
- **Case Study:** National labour force survey interpretation

Module 2: Labour Market Data Systems

- Data collection frameworks
- Survey design principles
- Sampling methods in labour statistics
- Data validation and cleaning
- **Case Study:** Designing labour data system for a developing economy

Module 3: Workforce Analytics Fundamentals

- Introduction to workforce analytics
- HR metrics and KPIs
- Workforce segmentation techniques
- Data-driven HR decisions
- **Case Study:** Workforce analytics in a multinational company

Module 4: Employment Trend Analysis

- Time-series employment data
- Sectoral employment shifts
- Seasonal employment patterns
- Labour demand indicators
- **Case Study:** Employment trends in manufacturing sector

Module 5: Unemployment & Underemployment Analysis

- Types of unemployment
- Structural vs cyclical unemployment
- Hidden unemployment measurement
- Youth unemployment analysis
- **Case Study:** Youth unemployment crisis analysis

Module 6: Wage & Salary Analytics

- Wage distribution analysis
- Gender pay gap studies
- Minimum wage impacts
- Compensation benchmarking
- **Case Study:** Wage inequality in urban labour markets

Module 7: Skills Gap Analysis

- Skills demand forecasting
- Education vs labour mismatch
- Industry skill requirements
- Competency frameworks
- **Case Study:** Skills gap in ICT sector

Module 8: Labour Force Surveys (LFS)

- Survey methodology
- Questionnaire design
- Field data collection
- Data weighting techniques

- **Case Study:** National LFS implementation review

Module 9: Data Visualization for Workforce Analytics

- Dashboards and KPI reporting
- Charts for labour statistics
- Storytelling with data
- Visualization tools (Power BI/Tableau)
- **Case Study:** Interactive labour market dashboard

Module 10: Predictive Workforce Analytics

- Forecasting workforce demand
- Regression and predictive models
- Machine learning applications
- Scenario planning
- **Case Study:** Predicting workforce needs in healthcare sector

Module 11: Labour Economics Indicators

- GDP and employment correlation
- Productivity measurement
- Inflation and wage relationship
- Economic cycle impacts
- **Case Study:** Economic downturn and employment effects

Module 12: Policy Analysis Using Labour Data

- Labour policy frameworks
- Impact assessment techniques
- Social protection analysis
- Employment policy evaluation
- **Case Study:** Minimum wage policy evaluation

Module 13: Migration & Labour Mobility Analytics

- Internal and external migration trends
- Brain drain analysis
- Remittance impact
- Urban labour mobility
- **Case Study:** Migration impact on labour markets

Module 14: Big Data in Workforce Analytics

- HR data lakes and warehousing
- AI-driven recruitment analytics
- Sentiment analysis in HR
- Real-time workforce monitoring
- **Case Study:** AI-based recruitment optimization

Module 15: Capstone Project - Labour Market Intelligence System

- End-to-end analytics project

- Data collection to reporting
- Dashboard creation
- Policy recommendation report
- **Case Study:** Building a national labour market intelligence platform

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

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