

TECHNICAL APPENDIX

Earnings inequality and the changing nature of work

Evidence from Labour Force Survey data of Bangladesh

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January 2021

[WIDER Working Paper 2021/7](#)

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Table 1

Original BSCO 4 digit Code	Name	Recode (ISCO 08 4 digit code)	Name
1115	Local Government Representatives	1112	Senior Government Officials
1347	NGO and Cooperative Branch Managers	1349	Professional Services Managers Not Elsewhere Classified
2311	Higher Level Madrasah Education Teachers (Fazel/Kamel)	2310	University and Higher Education Teachers
2331	Secondary Level Madrasah Education Teachers (Dakhil)	2330	Secondary Education Teachers
2332	Higher Secondary Education Teachers	2330	Secondary Education Teachers
2333	Higher Secondary Level Madrasah Education Teachers (Alim)	2330	Secondary Education Teachers
2343	Primary Level Madrasah Education Teachers (Ebtedianee)	2341	Primary School Teachers
2357	Religious Education Teachers (Quimi Madrasah)	2353	Other Language Teachers
5415	Ansars	5419	Protective Services Workers Not Elsewhere Classified
5416	Boarder Guard Bangladesh	5419	Protective Services Workers Not Elsewhere Classified
7517	Sweetmeat Makers	7513	Dairy-Products Makers
7551	Readymade Garments Patternmakers and cutting Workers	7549	Craft and Related Workers Not Elsewhere Classified
7552	Sewing & Embroidery Machine Operators	7549	Craft and Related Workers Not Elsewhere Classified
7553	Printing & Washing Workers	7549	Craft and Related Workers Not Elsewhere Classified
7554	Quality Checker & Finishing Workers	7549	Craft and Related Workers Not Elsewhere Classified
7555	Packaging & Labeling Worker	7549	Craft and Related Workers Not Elsewhere Classified
7556	Garments Helpers	7549	Craft and Related Workers Not Elsewhere Classified
7557	Other Readymade Garments and Related Workers	7549	Craft and Related Workers Not Elsewhere Classified

Table 2: Detail recodes

	Occupation, by ISCO-88 : 3 digit		Occupation, by ISCO-08 : 4 digit
111	Legislators and senior government officials	1111	Legislators
112	Senior government officials	1112	Senior government officials
113	Traditional chiefs and heads of villages	1113	Traditional chiefs and heads of village
114	Senior officials of special-interest organizations	1114	Senior officials of special-interest organizations
121	Directors and chief executives	1120	Managing directors and chief executives
122	Production and operations managers	1311	Agricultural and forestry production managers
122	Production and operations managers	1312	Aquaculture and fisheries production managers
122	Production and operations managers	1321	Manufacturing managers
122	Production and operations managers	1322	Mining managers
122	Production and operations managers	1323	Construction managers
122	Production and operations managers	3123	Construction supervisors
122	Production and operations managers	1411	Hotel managers
122	Production and operations managers	1412	Restaurant managers
122	Production and operations managers	1420	Retail and wholesale trade managers
122	Production and operations managers	1324	Supply, distribution and related managers
122	Production and operations managers	1330	Information and communications technology service managers
122	Production and operations managers	1219	Business services and administration managers not elsewhere classified
122	Production and operations managers	1346	Financial and insurance services branch managers
122	Production and operations managers	1213	Policy and planning managers
122	Production and operations managers	1341	Child care services managers
122	Production and operations managers	1342	Health services managers
122	Production and operations managers	1343	Aged care services managers
122	Production and operations managers	1344	Social welfare managers
122	Production and operations managers	1345	Education managers
122	Production and operations managers	1349	Professional services managers not elsewhere classified
122	Production and operations managers	1439	Services managers not elsewhere classified
122	Production and operations managers	2654	Film, stage and related directors and producers
122	Production and operations managers	3435	Other artistic and cultural associate professionals
122	Other specialist managers	1211	Finance managers
123	Other specialist managers	1212	Human resource managers
123	Other specialist managers	1221	Sales and marketing managers
123	Other specialist managers	1222	Advertising and public relations managers
123	Other specialist managers	1223	Research and development managers
123	Managers of small enterprises	6111	Field crop and vegetable growers
131	Managers of small enterprises	6112	Tree and shrub crop growers
131	Managers of small enterprises	6113	Gardeners, horticultural and nursery growers
131	Managers of small enterprises	6114	Mixed crop growers
131	Managers of small enterprises	6121	Livestock and dairy producers
131	Managers of small enterprises	6122	Poultry producers

131	Managers of small enterprises	6130	Mixed crop and animal producers
131	Managers of small enterprises	6210	Forestry and related workers
131	Managers of small enterprises	6221	Aquaculture workers
131	Managers of small enterprises	6222	Inland and coastal waters fishery workers
131	Managers of small enterprises	6223	Deep-sea fishery workers
131	Physicists, chemists and related professionals	2111	Physicists and astronomers
211	Physicists, chemists and related professionals	2112	Meteorologists
211	Physicists, chemists and related professionals	2113	Chemists
211	Physicists, chemists and related professionals	2262	Pharmacists
211	Physicists, chemists and related professionals	2114	Geologists and geophysicists
211	Mathematicians, statisticians and related professionals	2120	Mathematicians, actuaries and statisticians
212	Mathematicians, statisticians and related professionals	2120	Mathematicians, actuaries and statisticians
212	Computing professionals	2511	Systems analysts
213	Computing professionals	2512	Software developers
213	Computing professionals	2513	Web and multimedia developers
213	Computing professionals	2519	Software and applications developers and analysts not elsewhere classified
213	Computing professionals	2521	Database designers and administrators
213	Computing professionals	2522	Systems administrators
213	Computing professionals	2523	Computer network professionals
213	Computing professionals	2513	Web and multimedia developers
213	Computing professionals	2514	Applications programmers
213	Computing professionals	2519	Software and applications developers and analysts not elsewhere classified
213	Computing professionals	2513	Web and multimedia developers
213	Computing professionals	2519	Software and applications developers and analysts not elsewhere classified
213	Computing professionals	2519	Database and network professionals not elsewhere classified
213	Computing professionals	2529	classified
213	Architects, engineers and related professionals	2161	Building architects
214	Architects, engineers and related professionals	2162	Landscape architects
214	Architects, engineers and related professionals	2164	Town and traffic planners
214	Architects, engineers and related professionals	2142	Civil engineers
214	Architects, engineers and related professionals	2151	Electrical engineers
214	Architects, engineers and related professionals	2152	Electronics engineers
214	Architects, engineers and related professionals	2153	Telecommunications engineers
214	Architects, engineers and related professionals	2144	Mechanical engineers
214	Architects, engineers and related professionals	2145	Chemical engineers
214	Architects, engineers and related professionals	2146	Mining engineers, metallurgists and related professionals
214	Architects, engineers and related professionals	2165	Cartographers and surveyors
214	Architects, engineers and related professionals	2141	Industrial and production engineers
214	Architects, engineers and related professionals	2143	Environmental engineers
214	Architects, engineers and related professionals	2149	Engineering professionals not elsewhere classified
214	Life science professionals	2131	Biologists, botanists, zoologists and related professionals
221	Life science professionals	2133	Environmental protection professionals

221	Life science professionals	2131	Biologists, botanists, zoologists and related professionals
221	Life science professionals	2212	Specialist medical practitioners
221	Life science professionals	2250	Veterinarians
221	Life science professionals	2132	Farming, forestry and fisheries advisers
221	Health professionals (except nursing)	2211	Generalist medical practitioners
222	Health professionals (except nursing)	2212	Specialist medical practitioners
222	Health professionals (except nursing)	2261	Dentists
222	Health professionals (except nursing)	2250	Veterinarians
222	Health professionals (except nursing)	2262	Pharmacists
222	Health professionals (except nursing)	2263	Environmental and occupational health and hygiene professionals
222	Health professionals (except nursing)	2269	Health professionals not elsewhere classified
222	Nursing and midwifery professionals	1342	Health services managers
223	Nursing and midwifery professionals	1343	Aged care services managers
223	Nursing and midwifery professionals	2221	Nursing professionals
223	Nursing and midwifery professionals	2222	Midwifery professionals
223	Nursing and midwifery professionals	3221	Nursing associate professionals
223	Nursing and midwifery professionals	3222	Midwifery associate professionals
223	College, university and higher education teaching professionals	2310	University and higher education teachers
231	College, university and higher education teaching professionals	2320	Vocational education teachers
231	Secondary education teaching professionals	2320	Vocational education teachers
232	Secondary education teaching professionals	2330	Secondary education teachers
232	Primary and pre-primary education teaching professionals	2341	Primary school teachers
233	Primary and pre-primary education teaching professionals	2342	Early childhood educators
233	Special education teaching professionals	2352	Special needs teachers
234	Other teaching professionals	2351	Education methods specialists
235	Other teaching professionals	2351	Education methods specialists
235	Other teaching professionals	2353	Other language teachers
235	Other teaching professionals	2354	Other music teachers
235	Other teaching professionals	2355	Other arts teachers
235	Other teaching professionals	2356	Information technology trainers
235	Other teaching professionals	2359	Teaching professionals not elsewhere classified
235	Business professionals	2411	Accountants
241	Business professionals	2412	Financial and investment advisers
241	Business professionals	2263	Environmental and occupational health and hygiene professionals
241	Business professionals	2423	Personnel and careers professionals
241	Business professionals	2424	Training and staff development professionals
241	Business professionals	2412	Financial and investment advisers
241	Business professionals	2413	Financial analysts
241	Business professionals	2421	Management and organization analysts
241	Business professionals	2422	Policy administration professionals
241	Business professionals	2431	Advertising and marketing professionals

241	Business professionals	2432	Public relations professionals
241	Business professionals	3339	Business services agents not elsewhere classified
241	Legal professionals	2611	Lawyers
242	Legal professionals	2612	Judges
242	Legal professionals	2619	Legal professionals not elsewhere classified
242	Archivists, librarians and related information professionals	2621	Archivists and curators
243	Archivists, librarians and related information professionals	2622	Librarians and related information professionals
243	Social science and related professionals	2631	Economists
244	Social science and related professionals	2632	Sociologists, anthropologists and related professionals
244	Social science and related professionals	2633	Philosophers, historians and political scientists
244	Social science and related professionals	2643	Translators, interpreters and other linguists
244	Social science and related professionals	2634	Psychologists
244	Social science and related professionals	2635	Social work and counselling professionals
244	Writers and creative or performing artists	2431	Advertising and marketing professionals
245	Writers and creative or performing artists	2432	Public relations professionals
245	Writers and creative or performing artists	2641	Authors and related writers
245	Writers and creative or performing artists	2642	Journalists
245	Writers and creative or performing artists	2651	Visual artists
245	Writers and creative or performing artists	2652	Musicians, singers and composers
245	Writers and creative or performing artists	2653	Dancers and choreographers
245	Writers and creative or performing artists	2654	Film, stage and related directors and producers
245	Writers and creative or performing artists	2655	Actors
245	Religious professionals	2636	Religious professionals
246	Physical and engineering science technicians	3111	Chemical and physical science technicians
311	Physical and engineering science technicians	3112	Civil engineering technicians
311	Physical and engineering science technicians	3113	Electrical engineering technicians
311	Physical and engineering science technicians	3114	Electronics engineering technicians
311	Physical and engineering science technicians	3522	Telecommunications engineering technicians
311	Physical and engineering science technicians	3115	Mechanical engineering technicians
311	Physical and engineering science technicians	3116	Chemical engineering technicians
311	Physical and engineering science technicians	3117	Mining and metallurgical technicians
311	Physical and engineering science technicians	3118	Draughtspersons
311	Physical and engineering science technicians	3119	Physical and engineering science technicians not elsewhere classified
311	Computer associate professionals	3512	Information and communications technology user support technicians
312	Computer associate professionals	3513	Computer network and systems technicians
312	Computer associate professionals	3514	Web technicians
312	Computer associate professionals	3511	Information and communications technology operations technicians
312	Computer associate professionals	3514	Web technicians
312	Computer associate professionals	3139	Process control technicians not elsewhere classified
312	Optical and electronic equipment operators	3431	Photographers
313	Optical and electronic equipment operators	3521	Broadcasting and audio-visual technicians
313	Optical and electronic equipment operators	3521	Broadcasting and audio-visual technicians

313	Optical and electronic equipment operators	3522	Telecommunications engineering technicians
313	Optical and electronic equipment operators	3211	Medical imaging and therapeutic equipment technicians
313	Ship and aircraft controllers and technicians	3151	Ships' engineers
314	Ship and aircraft controllers and technicians	3152	Ships' deck officers and pilots
314	Ship and aircraft controllers and technicians	3153	Aircraft pilots and related associate professionals
314	Ship and aircraft controllers and technicians	3154	Air traffic controllers
314	Ship and aircraft controllers and technicians	3155	Air traffic safety electronics technicians
314	Safety and quality inspectors	3112	Civil engineering technicians
315	Safety and quality inspectors	3359	Regulatory government associate professionals not elsewhere classified
315	Safety and quality inspectors	2263	Environmental and occupational health and hygiene professionals
315	Safety and quality inspectors	3113	Electrical engineering technicians
315	Safety and quality inspectors	3114	Electronics engineering technicians
315	Safety and quality inspectors	3115	Mechanical engineering technicians
315	Safety and quality inspectors	3117	Mining and metallurgical technicians
315	Safety and quality inspectors	3257	Environmental and occupational health inspectors and associates
315	Safety and quality inspectors	7543	Product graders and testers (excluding foods and beverages)
315	Life science technicians and related associate professional	3141	Life science technicians (excluding medical)
321	Life science technicians and related associate professional	3212	Medical and pathology laboratory technicians
321	Life science technicians and related associate professional	3142	Agricultural technicians
321	Life science technicians and related associate professional	3143	Forestry technicians
321	Life science technicians and related associate professional	2132	Farming, forestry and fisheries advisers
321	Health associate professionals (except nursing)	2240	Paramedical practitioners
322	Health associate professionals (except nursing)	3253	Community health workers
322	Health associate professionals (except nursing)	3256	Medical assistants
322	Health associate professionals (except nursing)	2263	Environmental and occupational health and hygiene professionals
322	Health associate professionals (except nursing)	3257	Environmental and occupational health inspectors and associates
322	Health associate professionals (except nursing)	2265	Dieticians and nutritionists
322	Health associate professionals (except nursing)	2267	Optometrists and ophthalmic opticians
322	Health associate professionals (except nursing)	3254	Dispensing opticians
322	Health associate professionals (except nursing)	3251	Dental assistants and therapists
322	Health associate professionals (except nursing)	2264	Physiotherapists
322	Health associate professionals (except nursing)	2269	Health professionals not elsewhere classified
322	Health associate professionals (except nursing)	3255	Physiotherapy technicians and assistants
322	Health associate professionals (except nursing)	3259	Health associate professionals not elsewhere classified
322	Health associate professionals (except nursing)	3240	Veterinary technicians and assistants
322	Health associate professionals (except nursing)	3213	Pharmaceutical technicians and assistants
322	Health associate professionals (except nursing)	2230	Traditional and complementary medicine professionals
322	Health associate professionals (except nursing)	2266	Audiologists and speech therapists
322	Health associate professionals (except nursing)	2267	Optometrists and ophthalmic opticians

322	Health associate professionals (except nursing)	2269	Health professionals not elsewhere classified
322	Health associate professionals (except nursing)	3259	Health associate professionals not elsewhere classified
322	Nursing and midwifery associate professionals	3221	Nursing associate professionals
323	Nursing and midwifery associate professionals	3222	Midwifery associate professionals
323	Traditional medicine practitioners and faith healers	2230	Traditional and complementary medicine professionals
324	Traditional medicine practitioners and faith healers	3230	Traditional and complementary medicine associate professionals
324	Traditional medicine practitioners and faith healers	3413	Religious associate professionals
324	Primary education teaching associate professionals	2341	Primary school teachers
331	Pre-primary education teaching associate professionals	2342	Early childhood educators
332	Special education teaching associate professionals	2352	Special needs teachers
333	Other teaching associate professionals	2353	Other language teachers
334	Other teaching associate professionals	2355	Other arts teachers
334	Other teaching associate professionals	2356	Information technology trainers
334	Other teaching associate professionals	2359	Teaching professionals not elsewhere classified
334	Other teaching associate professionals	3153	Aircraft pilots and related associate professionals
334	Other teaching associate professionals	3423	Fitness and recreation instructors and program leaders
334	Other teaching associate professionals	3435	Other artistic and cultural associate professionals
334	Other teaching associate professionals	5165	Driving instructors
334	Finance and sales associate professionals	2412	Financial and investment advisers
341	Finance and sales associate professionals	3311	Securities and finance dealers and brokers
341	Finance and sales associate professionals	3321	Insurance representatives
341	Finance and sales associate professionals	3334	Real estate agents and property managers
341	Finance and sales associate professionals	4221	Travel consultants and clerks
341	Finance and sales associate professionals	2433	Technical and medical sales professionals (excluding ICT)
341	Finance and sales associate professionals	2434	Information and communications technology sales professionals
341	Finance and sales associate professionals	3322	Commercial sales representatives
341	Finance and sales associate professionals	3323	Buyers
341	Finance and sales associate professionals	3315	Valuers and loss assessors
341	Finance and sales associate professionals	3339	Business services agents not elsewhere classified
341	Finance and sales associate professionals	3312	Credit and loans officers
341	Business services agents and trade brokers	3324	Trade brokers
342	Business services agents and trade brokers	3331	Clearing and forwarding agents
342	Business services agents and trade brokers	3333	Employment agents and contractors
342	Business services agents and trade brokers	3339	Business services agents not elsewhere classified
342	Administrative associate professionals	3341	Office supervisors
343	Administrative associate professionals	3342	Legal secretaries
343	Administrative associate professionals	3343	Administrative and executive secretaries
343	Administrative associate professionals	3344	Medical secretaries
343	Administrative associate professionals	3411	Police inspectors and detectives
343	Administrative associate professionals	3313	Accounting associate professionals
343	Administrative associate professionals	3313	Accounting associate professionals

343	Administrative associate professionals	3314	Statistical, mathematical and related associate professionals
343	Administrative associate professionals	3332	Conference and event planners
343	Administrative associate professionals	3343	Administrative and executive secretaries
343	Administrative associate professionals	3359	Regulatory government associate professionals not elsewhere classified
343	Administrative associate professionals	3433	Gallery, museum and library technicians
343	Customs, tax and related government associate professionals	3351	Customs and border inspectors
344	Customs, tax and related government associate professionals	3352	Government tax and excise officials
344	Customs, tax and related government associate professionals	3353	Government social benefits officials
344	Customs, tax and related government associate professionals	3354	Government licensing officials
344	Customs, tax and related government associate professionals	3359	Regulatory government associate professionals not elsewhere classified
344	Police inspectors and detectives	3355	Police inspectors and detectives
345	Police inspectors and detectives	3411	Police inspectors and detectives
345	Social work associate professionals	3412	Social work associate professionals
346	Artistic, entertainment and sports associate professionals	2163	Product and garment designers
347	Artistic, entertainment and sports associate professionals	2166	Graphic and multimedia designers
347	Artistic, entertainment and sports associate professionals	3432	Interior designers and decorators
347	Artistic, entertainment and sports associate professionals	3433	Gallery, museum and library technicians
347	Artistic, entertainment and sports associate professionals	3435	Other artistic and cultural associate professionals
347	Artistic, entertainment and sports associate professionals	2642	Journalists
347	Artistic, entertainment and sports associate professionals	2656	Announcers on radio, television and other media
347	Artistic, entertainment and sports associate professionals	2652	Musicians, singers and composers
347	Artistic, entertainment and sports associate professionals	2653	Dancers and choreographers
347	Artistic, entertainment and sports associate professionals	2659	Creative and performing artists not elsewhere classified
347	Artistic, entertainment and sports associate professionals	3421	Athletes and sports players
347	Artistic, entertainment and sports associate professionals	3422	Sports coaches, instructors and officials
347	Artistic, entertainment and sports associate professionals	3423	Fitness and recreation instructors and program leaders
347	Religious associate professionals	3413	Religious associate professionals
348	Secretaries and keyboard-operating clerks	3341	Office supervisors
411	Secretaries and keyboard-operating clerks	4131	Typists and word processing operators
411	Secretaries and keyboard-operating clerks	3341	Office supervisors
411	Secretaries and keyboard-operating clerks	4131	Typists and word processing operators
411	Secretaries and keyboard-operating clerks	4132	Data entry clerks
411	Secretaries and keyboard-operating clerks	3341	Office supervisors
411	Secretaries and keyboard-operating clerks	4132	Data entry clerks
411	Secretaries and keyboard-operating clerks	3341	Office supervisors

411	Secretaries and keyboard-operating clerks	3342	Legal secretaries
411	Secretaries and keyboard-operating clerks	3344	Medical secretaries
411	Secretaries and keyboard-operating clerks	4120	Secretaries (general)
411	Numerical clerks	3341	Office supervisors
412	Numerical clerks	4311	Accounting and bookkeeping clerks
412	Numerical clerks	4313	Payroll clerks
412	Numerical clerks	3341	Office supervisors
412	Numerical clerks	4312	Statistical, finance and insurance clerks
412	Material-recording and transport clerks	3341	Office supervisors
413	Material-recording and transport clerks	4321	Stock clerks
413	Material-recording and transport clerks	3341	Office supervisors
413	Material-recording and transport clerks	4322	Production clerks
413	Material-recording and transport clerks	3341	Office supervisors
413	Material-recording and transport clerks	4323	Transport clerks
413	Library, mail and related clerk	3341	Office supervisors
414	Library, mail and related clerk	4411	Library clerks
414	Library, mail and related clerk	4415	Filing and copying clerks
414	Library, mail and related clerk	3341	Office supervisors
414	Library, mail and related clerk	4412	Mail carriers and sorting clerks
414	Library, mail and related clerk	3252	Medical records and health information technicians
414	Library, mail and related clerk	3341	Office supervisors
414	Library, mail and related clerk	4413	Coding, proof-reading and related clerks
414	Library, mail and related clerk	3341	Office supervisors
414	Library, mail and related clerk	4414	Scribes and related workers
414	Other office clerks	3341	Office supervisors
419	Other office clerks	4110	General office clerks
419	Other office clerks	4227	Survey and market research interviewers
419	Other office clerks	4416	Personnel clerks
419	Other office clerks	4419	Clerical support workers not elsewhere classified
419	Cashiers, tellers and related clerks	4211	Bank tellers and related clerks
421	Cashiers, tellers and related clerks	4212	Bookmakers, croupiers and related gaming workers
421	Cashiers, tellers and related clerks	5230	Cashiers and ticket clerks
421	Cashiers, tellers and related clerks	4211	Bank tellers and related clerks
421	Cashiers, tellers and related clerks	4212	Bookmakers, croupiers and related gaming workers
421	Cashiers, tellers and related clerks	4213	Pawnbrokers and money-lenders
421	Cashiers, tellers and related clerks	4214	Debt-collectors and related workers
421	Client information clerks	4221	Travel consultants and clerks
422	Client information clerks	3341	Office supervisors
422	Client information clerks	4222	Contact centre information clerks
422	Client information clerks	4224	Hotel receptionists
422	Client information clerks	4225	Enquiry clerks
422	Client information clerks	4226	Receptionists (general)
422	Client information clerks	4229	Client information workers not elsewhere classified
422	Client information clerks	3341	Office supervisors

422	Client information clerks	4223	Telephone switchboard operators
422	Travel attendants and related workers	5111	Travel attendants and travel stewards
511	Travel attendants and related workers	5112	Transport conductors
511	Travel attendants and related workers	5113	Travel guides
511	Housekeeping and restaurant services workers	5151	Cleaning and housekeeping supervisors in offices, hotels and other establishments
512	Housekeeping and restaurant services workers	5152	Domestic housekeepers
512	Housekeeping and restaurant services workers	3434	Chefs
512	Housekeeping and restaurant services workers	5120	Cooks
512	Housekeeping and restaurant services workers	9411	Fast food preparers
512	Housekeeping and restaurant services workers	5131	Waiters
512	Housekeeping and restaurant services workers	5132	Bartenders
512	Personal care and related workers	5311	Child care workers
513	Personal care and related workers	5312	Teachers' aides
513	Personal care and related workers	3258	Ambulance workers
513	Personal care and related workers	5321	Health care assistants
513	Personal care and related workers	5329	Personal care workers in health services not elsewhere classified
513	Personal care and related workers	5322	Home-based personal care workers
513	Personal care and related workers	5164	Pet groomers and animal care workers
513	Personal care and related workers	5329	Personal care workers in health services not elsewhere classified
513	Other personal services workers	5141	Hairdressers
514	Other personal services workers	5142	Beauticians and related workers
514	Other personal services workers	5162	Companions and valets
514	Other personal services workers	5163	Undertakers and embalmers
514	Other personal services workers	5169	Personal services workers not elsewhere classified
514	Astrologers, fortune-tellers and related workers	5161	Astrologers, fortune-tellers and related workers
515	Astrologers, fortune-tellers and related workers	5161	Astrologers, fortune-tellers and related workers
515	Protective services workers	5411	Fire-fighters
516	Protective services workers	5412	Police officers
516	Protective services workers	5413	Prison guards
516	Protective services workers	5414	Security guards
516	Protective services workers	5419	Protective services workers not elsewhere classified
516	Fashion and other models	5241	Fashion and other models
521	Shop salespersons and demonstrators	5222	Shop supervisors
522	Shop salespersons and demonstrators	5223	Shop sales assistants
522	Shop salespersons and demonstrators	5242	Sales demonstrators
522	Shop salespersons and demonstrators	5245	Service station attendants
522	Shop salespersons and demonstrators	5246	Food service counter attendants
522	Shop salespersons and demonstrators	5249	Sales workers not elsewhere classified
522	Stall and market salespersons	5211	Stall and market salespersons
523	Stall and market salespersons	5246	Food service counter attendants
523	Market gardeners and crop growers	6111	Field crop and vegetable growers
611	Market gardeners and crop growers	6112	Tree and shrub crop growers
611	Market gardeners and crop growers	6113	Gardeners, horticultural and nursery growers

611	Market gardeners and crop growers	9214	Garden and horticultural labourers
611	Market gardeners and crop growers	6114	Mixed crop growers
611	Animal producers and related workers	6121	Livestock and dairy producers
612	Animal producers and related workers	6122	Poultry producers
612	Animal producers and related workers	6123	Apiarists and sericulturists
612	Animal producers and related workers	6121	Livestock and dairy producers
612	Animal producers and related workers	6122	Poultry producers
612	Animal producers and related workers	6123	Apiarists and sericulturists
612	Animal producers and related workers	5164	Pet groomers and animal care workers
612	Animal producers and related workers	6129	Animal producers not elsewhere classified
612	Market-oriented crop and animal producers	6130	Mixed crop and animal producers
613	Forestry and related workes	6210	Forestry and related workers
614	Forestry and related workes	6210	Forestry and related workers
614	Fishery workers, hunters and trappers	6221	Aquaculture workers
615	Fishery workers, hunters and trappers	6222	Inland and coastal waters fishery workers
615	Fishery workers, hunters and trappers	7541	Underwater divers
615	Fishery workers, hunters and trappers	6223	Deep-sea fishery workers
615	Fishery workers, hunters and trappers	6224	Hunters and trappers
615	Subsistence agricultural and fishery workers	6310	Subsistence crop farmers
621	Subsistence agricultural and fishery workers	6320	Subsistence livestock farmers
621	Subsistence agricultural and fishery workers	6330	Subsistence mixed crop and livestock farmers
621	Subsistence agricultural and fishery workers	6340	Subsistence fishers, hunters, trappers and gatherers
621	Miners, shot firers, stone cutters and carvers	3121	Mining supervisors
711	Miners, shot firers, stone cutters and carvers	8111	Miners and quarries
711	Miners, shot firers, stone cutters and carvers	7542	Shot firers and blasters
711	Miners, shot firers, stone cutters and carvers	7113	Stonemasons, stone cutters, splitters and carvers
711	Building frame and related trades workers	7111	House builders
712	Building frame and related trades workers	7112	Bricklayers and related workers
712	Building frame and related trades workers	7113	Stonemasons, stone cutters, splitters and carvers
712	Building frame and related trades workers	7114	Concrete placers, concrete finishers and related workers
712	Building frame and related trades workers	7115	Carpenters and joiners
712	Building frame and related trades workers	3123	Construction supervisors
712	Building frame and related trades workers	7119	Building frame and related trades workers not elsewhere classified
712	Building finishers and related trades workers	7121	Roofers
713	Building finishers and related trades workers	7122	Floor layers and tile setters
713	Building finishers and related trades workers	7123	Plasterers
713	Building finishers and related trades workers	7124	Insulation workers
713	Building finishers and related trades workers	7125	Glaziers
713	Building finishers and related trades workers	7126	Plumbers and pipe fitters
713	Building finishers and related trades workers	7411	Building and related electricians
713	Painters, building structure cleaners and related trades workers	7131	Painters and related workers
714	Painters, building structure cleaners and related trades workers	7132	Spray painters and varnishers

714	Painters, building structure cleaners and related trades workers	7133	Building structure cleaners
714	Painters, building structure cleaners and related trades workers	7544	Fumigators and other pest and weed controllers
714	Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers	7211	Metal moulders and coremakers
721	Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers	7212	Welders and flamecutters
721	Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers	7213	Sheet-metal workers
721	Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers	7214	Structural-metal preparers and erectors
721	Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers	7215	Riggers and cable splicers
721	Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers	7541	Underwater divers
721	Blacksmiths, tool-makers and related trades workers	7221	Blacksmiths, hammer smiths and forging press workers
722	Blacksmiths, tool-makers and related trades workers	7222	Toolmakers and related workers
722	Blacksmiths, tool-makers and related trades workers	7223	Metal working machine tool setters and operators
722	Blacksmiths, tool-makers and related trades workers	7224	Metal polishers, wheel grinders and tool sharpeners
722	Machinery mechanics and fitters	7231	Motor vehicle mechanics and repairers
723	Machinery mechanics and fitters	7234	Bicycle and related repairers
723	Machinery mechanics and fitters	7232	Aircraft engine mechanics and repairers
723	Machinery mechanics and fitters	7127	Air conditioning and refrigeration mechanics
723	Machinery mechanics and fitters	7233	Agricultural and industrial machinery mechanics and repairers
723	Electrical and electronic equipment mechanics and fitters	7412	Electrical mechanics and fitters
724	Electrical and electronic equipment mechanics and fitters	7421	Electronics mechanics and servicers
724	Electrical and electronic equipment mechanics and fitters	7422	Information and communications technology installers and servicers
724	Electrical and electronic equipment mechanics and fitters	7421	Electronics mechanics and servicers
724	Electrical and electronic equipment mechanics and fitters	7422	Information and communications technology installers and servicers
724	Electrical and electronic equipment mechanics and fitters	7422	Information and communications technology installers and servicers
724	Electrical and electronic equipment mechanics and fitters	7413	Electrical line installers and repairers
724	Electrical and electronic equipment mechanics and fitters	7422	Information and communications technology installers and servicers
724	Precision workers in metal and related materials	3214	Medical and dental prosthetic technicians
731	Precision workers in metal and related materials	7311	Precision-instrument makers and repairers
731	Precision workers in metal and related materials	7312	Musical instrument makers and tuners
731	Precision workers in metal and related materials	7313	Jewelers and precious-metal workers
731	Potters, glass-makers and related trades workers	7314	Potters and related workers
732	Potters, glass-makers and related trades workers	7315	Glass makers, cutters, grinders and finishers

732	Potters, glass-makers and related trades workers	7549	Craft and related workers not elsewhere classified
732	Potters, glass-makers and related trades workers	7316	Sign writers, decorative painters, engravers and etchers
732	Potters, glass-makers and related trades workers	7316	Sign writers, decorative painters, engravers and etchers
732	Handicraft workers in wood, textile, leather and related materials	7317	Handicraft workers in wood, basketry and related materials
733	Handicraft workers in wood, textile, leather and related materials	7319	Handicraft workers not elsewhere classified
733	Handicraft workers in wood, textile, leather and related materials	7318	Handicraft workers in textile, leather and related materials
733	Craft printing and related trades workers	7321	Pre-press technicians
734	Craft printing and related trades workers	7321	Pre-press technicians
734	Craft printing and related trades workers	8132	Photographic products machine operators
734	Craft printing and related trades workers	7323	Print finishing and binding workers
734	Food processing and related trades workers	7511	Butchers, fishmongers and related food preparers
741	Food processing and related trades workers	7512	Bakers, pastry-cooks and confectionery makers
741	Food processing and related trades workers	7513	Dairy-products makers
741	Food processing and related trades workers	7514	Fruit, vegetable and related preservers
741	Food processing and related trades workers	7515	Food and beverage tasters and graders
741	Food processing and related trades workers	7516	Tobacco preparers and tobacco products makers
741	Wood treaters, cabinet-makers and related trades workers	7521	Wood treaters
742	Wood treaters, cabinet-makers and related trades workers	7522	Cabinet-makers and related workers
742	Wood treaters, cabinet-makers and related trades workers	7523	Woodworking-machine tool setters and operators
742	Wood treaters, cabinet-makers and related trades workers	7317	Handicraft workers in wood, basketry and related materials
742	Textile, garment and related trades workers	7318	Handicraft workers in textile, leather and related materials
743	Textile, garment and related trades workers	7318	Handicraft workers in textile, leather and related materials
743	Textile, garment and related trades workers	8152	Weaving and knitting machine operators
743	Textile, garment and related trades workers	7531	Tailors, dressmakers, furriers and hatters
743	Textile, garment and related trades workers	7531	Tailors, dressmakers, furriers and hatters
743	Textile, garment and related trades workers	7532	Garment and related pattern-makers and cutters
743	Textile, garment and related trades workers	7533	Sewing, embroidery and related workers
743	Textile, garment and related trades workers	7534	Upholsterers and related workers
743	Pelt, leather and shoemaking trades workers	7535	Pelt dressers, tanners and fellmongers
744	Pelt, leather and shoemaking trades workers	7536	Shoemakers and related workers
744	Mining and mineral-processing-plant operators	3121	Mining supervisors
811	Mining and mineral-processing-plant operators	8111	Miners and quarriers
811	Mining and mineral-processing-plant operators	8112	Mineral and stone processing plant operators
811	Mining and mineral-processing-plant operators	8113	Well drillers and borers and related workers
811	Metal-processing plant operators	3135	Metal production process controllers
812	Metal-processing plant operators	8121	Metal processing plant operators
812	Metal-processing plant operators	3135	Metal production process controllers
812	Metal-processing plant operators	8121	Metal processing plant operators
812	Metal-processing plant operators	3135	Metal production process controllers
812	Metal-processing plant operators	8121	Metal processing plant operators
812	Metal-processing plant operators	3135	Metal production process controllers

812	Metal-processing plant operators	8121	Metal processing plant operators
812	Glass, ceramics and related plant operators	8181	Glass and ceramics plant operators
813	Glass, ceramics and related plant operators	8181	Glass and ceramics plant operators
813	Wood-processing- and papermaking-plant operators	8172	Wood processing plant operators
814	Wood-processing- and papermaking-plant operators	3139	Process control technicians not elsewhere classified
814	Wood-processing- and papermaking-plant operators	8171	Pulp and papermaking plant operators
814	Wood-processing- and papermaking-plant operators	3139	Process control technicians not elsewhere classified
814	Wood-processing- and papermaking-plant operators	8171	Pulp and papermaking plant operators
814	Chemical-processing-plant operators	8131	Chemical products plant and machine operators
815	Chemical-processing-plant operators	3133	Chemical processing plant controllers
815	Chemical-processing-plant operators	3134	Petroleum and natural gas refining plant operators
815	Power-production and related plant operators	3131	Power production plant operators
816	Power-production and related plant operators	8182	Steam engine and boiler operators
816	Power-production and related plant operators	3132	Incinerator and water treatment plant operators
817	Industrial robot operators	3122	Manufacturing supervisors
817	Industrial robot operators	3139	Process control technicians not elsewhere classified
817	Metal- and mineral-products machine operators	3122	Manufacturing supervisors
821	Metal- and mineral-products machine operators	7223	Metal working machine tool setters and operators Cement, stone and other mineral products machine operators
821	Metal- and mineral-products machine operators	8114	
821	Chemical-products machine operators	3122	Manufacturing supervisors
822	Chemical-products machine operators	8131	Chemical products plant and machine operators
822	Chemical-products machine operators	8122	Metal finishing, plating and coating machine operators
822	Chemical-products machine operators	8132	Photographic products machine operators
822	Rubber- and plastic-products machine operators	3122	Manufacturing supervisors
823	Rubber- and plastic-products machine operators	8141	Rubber products machine operators
823	Wood-products machine operators	3122	Manufacturing supervisors
824	Wood-products machine operators	7523	Woodworking-machine tool setters and operators
824	Printing-, binding- and paper-products machine operators	3122	Manufacturing supervisors
825	Printing-, binding- and paper-products machine operators	7322	Printers
825	Printing-, binding- and paper-products machine operators	3122	Manufacturing supervisors
825	Printing-, binding- and paper-products machine operators	7323	Print finishing and binding workers
825	Printing-, binding- and paper-products machine operators	3122	Manufacturing supervisors
825	Printing-, binding- and paper-products machine operators	8143	Paper products machine operators
825	Textile-, fur- and leather-products machine operators	3122	Manufacturing supervisors
826	Textile-, fur- and leather-products machine operators	8151	Fibre preparing, spinning and winding machine operators
826	Textile-, fur- and leather-products machine operators	8152	Weaving and knitting machine operators
826	Textile-, fur- and leather-products machine operators	3122	Manufacturing supervisors

829	Locomotive engine drivers and related workers	8311	Locomotive engine drivers
831	Locomotive engine drivers and related workers	8312	Railway brake, signal and switch operators
831	Motor vehicle drivers	8321	Motorcycle drivers
832	Motor vehicle drivers	8322	Car, taxi and van drivers
832	Motor vehicle drivers	8331	Bus and tram drivers
832	Motor vehicle drivers	8332	Heavy truck and lorry drivers
832	Agricultural and other mobile plant operators	8341	Mobile farm and forestry plant operators
833	Agricultural and other mobile plant operators	8342	Earthmoving and related plant operators
833	Agricultural and other mobile plant operators	8343	Crane, hoist and related plant operators
833	Agricultural and other mobile plant operators	8344	Lifting truck operators
833	Ships' deck crews and related workers	8350	Ships' deck crews and related workers
834	Street vendors and related workers	5212	Street food salespersons
911	Street vendors and related workers	9520	Street vendors (excluding food)
911	Street vendors and related workers	5243	Door to door salespersons
911	Street vendors and related workers	5244	Contact centre salespersons
911	Shoe cleaning and other street services elementary occupations	9510	Street and related service workers
912	Domestic and related helpers, cleaners and launderers	9111	Domestic cleaners and helpers
913	Domestic and related helpers, cleaners and launderers	9112	Cleaners and helpers in offices, hotels and other establishments
913	Domestic and related helpers, cleaners and launderers	9412	Kitchen helpers
913	Domestic and related helpers, cleaners and launderers	9121	Hand launderers and pressers
913	Building caretakers, window and related cleaners	5153	Building caretakers
914	Building caretakers, window and related cleaners	9122	Vehicle cleaners
914	Building caretakers, window and related cleaners	9123	Window cleaners
914	Building caretakers, window and related cleaners	9129	Other cleaning workers
914	Messengers, porters, doorkeepers and related workers	9621	Messengers, package deliverers and luggage porters
915	Messengers, porters, doorkeepers and related workers	5414	Security guards
915	Messengers, porters, doorkeepers and related workers	9621	Messengers, package deliverers and luggage porters
915	Messengers, porters, doorkeepers and related workers	9629	Elementary workers not elsewhere classified
915	Messengers, porters, doorkeepers and related workers	9623	Meter readers and vending-machine collectors
915	Garbage collectors and related labourers	9611	Garbage and recycling collectors
916	Garbage collectors and related labourers	9612	Refuse sorters
916	Garbage collectors and related labourers	9613	Sweepers and related labourers
916	Garbage collectors and related labourers	9622	Odd job persons
916	Garbage collectors and related labourers	9624	Water and firewood collectors
916	Agricultural, fishery and related labourers	9211	Crop farm labourers
921	Agricultural, fishery and related labourers	9212	Livestock farm labourers
921	Agricultural, fishery and related labourers	9213	Mixed crop and livestock farm labourers
921	Agricultural, fishery and related labourers	9214	Garden and horticultural labourers
921	Agricultural, fishery and related labourers	9215	Forestry labourers
921	Agricultural, fishery and related labourers	9216	Fishery and aquaculture labourers

921	Mining and construction labourers	9311	Mining and quarrying labourers
931	Mining and construction labourers	9312	Civil engineering labourers
931	Mining and construction labourers	9313	Building construction labourers
931	Manufacturing labourers	9329	Manufacturing labourers not elsewhere classified
932	Manufacturing labourers	9612	Refuse sorters
932	Manufacturing labourers	9321	Hand packers
932	Manufacturing labourers	9329	Manufacturing labourers not elsewhere classified
932	Transport labourers and freight handlers	9331	Hand and pedal vehicle drivers
933	Transport labourers and freight handlers	9332	Drivers of animal-drawn vehicles and machinery
933	Transport labourers and freight handlers	9333	Freight handlers
933	Transport labourers and freight handlers	9334	Shelf fillers

Source: authors' compilation based on ILO (2016).

Data cleaning and recoding

Data Cleaning

In order to clean the dataset, we followed the standard steps of deleting outliers in the income data. Please note that there has been some extreme values which we found inconsistent and we cleaned the data set for those values. In LFS 2005, we have found some abnormal income data which are inconsistent with the education and occupational classifications. Based on the educational and occupation classifications, we cleaned the data set by taking only the consistent observations. There has been some inconsistencies in weekly and monthly earnings as well—we have corrected those as well. For example, in some instances, we re-coded the monthly earnings into weekly while cross checking responses of periodicity of the payment.

Recoding

There had been an inconsistency in the coding of agricultural (ISCO 6) and elementary (ISCO 9) occupations in the 2010 data. We had to recode these to achieve consistency across survey waves, so we have recoded ISCO 3 digit code 921 to 612 to fix the problem.

Reference

ILO (2016). 'ISCO-08 Structure, Index Correspondence with ISCO-88'. Geneva: ILO. Available at: <https://www.ilo.org/public/english/bureau/stat/isco/isco08/index.htm> (accessed 16 March 2020).