

**Questionnaire for 2020 Ph.D. Graduates**

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**Questionnaire ID :**

**※ Please do not write on the Questionnaire ID section.**

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| This survey, conducted by the Ministry of Education(MOE) and Korea Research Institute for Vocational Education and Training(KRIVET) at the end of each semester, is designed to establish a statistical database on career paths of domestic doctoral graduates and build more effective policies for supporting high-quality human resources(doctoral graduates). As **the official statistics(Approval No. 920009)**, all the information you provide will be kept strictly confidential under **the Personal Information Protection Act(Article 58, Paragraph 1(Except for some applications))** **and the Statistics Act(Article 5(Relationship with other Acts),** **Article 33(Protection of Secrets))**, and will be used for statistical purposes only. |

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| **Basic Demographic Information** |
| Full Name |  | Sex | □ ① Male □ ② Female  |
| Year of Birth |

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|  |  |  |  | (YYYY) |

 | Nationality\* | □① Korea

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| □② Other | (Country Code: |  |  |  | ) |

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| Major |  |

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| **\* *If your nationality is not Korea, please write down your country code (refer to Appendix 2****).* |
| **Degree Information** |
| Type ofDegree | Date of Entrance/ Graduation(YYYY/MM) | Name of University | Field Code\*(refer to the sample) | DepartmentCode\*\* | Type of University | Type of Graduate School | Location of Institution\*\*\* |
| (1)Bachelor | Entrance |

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| (2)Master | Entrance |

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| (3)Doctorate | Entrance |

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| ∙Please check in the box if you have graduated master & doctoral combined degree program |  |

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| *\*****<Field Code>*** *Please choose one of the seven categories which best describes your major field of degree.****Humanities=1, Social Sciences=2, Engineering=3, Natural Sciences=4, Medical Sciences & Pharmacy=5, Education=6, Art & Physical Education=7*** *\*\* Please write your department code referring to the Department Codes list (Appendix 1) at the end of the questionnaire.**\*\*\* Please choose the City/ Province Code if you have graduated in Korea (see below), or fill in the Country Code* ***(see Appendix 2)****, if not in Korea.****Seoul=1, Busan=2, Daegu=3, Incheon=4, Gwangju=5, Daejeon=6, Ulsan=7, Kyeonggi=8, Gangwon=9,******Chungbuk=10, Chungnam=11, Jeonbuk=12, Jeonnam=13, Gyeongbuk=14, Gyeongnam=15, Jeju=16, Sejong=17******※ If you have two or more doctoral degrees, please fill in your main degree.***  |

**※ Please submit the questionnaire to administration team of your graduate school.**

**※ If you have any questions about the survey, please feel free to contact us as below.**

Chang-Yong SONG KRIVET 044-415-5138 csong00@krivet.re.kr

Hye-Jeong KIM KRIVET 044-415-5161 hjkim0726@krivet.re.kr

**KRIVET MOE**

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| **Ⅰ. Doctoral Degree Program** |

 **1. Which type of student were you during your doctoral program (Full time or Part time)?**

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| (1) from Admission to Coursework Completion |  |
| □① Full-time student□② Part-time student (study and work at the same time) | *※* ***Full-time student*** *refers to one spending most of time studying during the doctoral program, despite spending time in RA/TA activities, project participations, part-time lecturer job or other part-time jobs.**※* ***Part-time student*** *refers to one spending most of time studying during the doctoral program while working at the same time. It includes the employed, employer and self-employed with no employees(Own-account worker) as well.* |

**2. Have you ever taken a leave of absence during your program?**

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| (1) Taking leave of absence | (2) Total semester(s) of absence  | (3) Main Reason for leave |
| □① Yes, I have. □② No, I have not. ☞ **Go to item** **3.** | ( )semester(s) | □① financial issues □② work/duties-related issues□③ marriage, child care, housework or family-related issues□④ health issues □⑤ military service- related issues □⑥ others  |

**3. How much is total tuition fee for doctoral course and how was it paid?**

 **3-1. How much is total tuition fee for doctoral course? (excluding the scholarship or tuition-exemption)**

□① less than 10 million KRW □② 10~20 million KRW □③ 20~30 million KRW

□④ 30~40 million KRW □⑤ 40~50 million KRW □⑥ 50~60 million KRW

□⑦ 60~70 million KRW □⑧ 70~80 million KRW □⑨ more than 80 million KRW

 **3-2. How was it paid?**

|  |  |
| --- | --- |
| (1-1) Self-funded | ( )% |
| (1-2) Family Support (Support from parents, siblings, spouse, etc.) | ( )% |
| (2)Scholarship | Korea | (2-1) Fellowship/ Scholarship | ( )% |
| (2-2) Grant | ( )% |
| (2-3) Research Assistantship(R.A.) | ( )% |
| (2-4) Teaching Assistantship(T.A.) or Other Administrative Assistantships | ( )% |
| (2-5) Academic Excellence Scholarship | ( )% |
| Other | (2-6) non-Korean Scholarship | ( )% |
| (3) Student Loan | ( )% |
| (4) Financial assistance from employers | ( )% |
| (5) Others  | ( )% |

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| *※‘Total Tuition Fee’refers to total amount that you paid to school, including registration fee, tuition fee during/after coursework, fee for academic advisory, etc.**※ Please make sure that the sum of the percentages for item (1)~(5)(calculated on the basis of the total tuition fee) is* ***100****. (Put “0” for items which are not relevant for you).* |

**4. Have you published journal articles during the doctoral course and how many journal articles have been published ever? (\*including articles accepted for publication)**

 **4-1. Have you published journal articles during the doctoral course?**

□① Yes, I have. . ☞ **Go to item** **4-2.** □② No, I have not. ☞ **Go to item** **5.**

**4-2. How many journal articles have you published during the doctoral course?**

|  |  |  |  |
| --- | --- | --- | --- |
| **Author Status** | **Number of Articles** | **Domestic** | **Overseas** |
| **KCI** | **Other** | **SCI(E)/SSCI/A&HCI** | **Other** |
| 1st author  |  |  |  |  |  |
| Co-author |  |  |  |  |  |

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| *※ Please put “0” if you do not have any published articles.*  |

 **5. Have you participated in any research projects during your doctoral courses?**

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|  | (1) Participation | (2) Total Number of Projects Participated  | (3)Funding Source of the Project | (4) TotalParticipation Period |
| (1) | □① Yes □② No **☞ Go to item 5.(2-1)** | **Total ( )** | Central/ Local Government ( )Corporation ( )Other ( ) |

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mMonth(s) |
| (2) | (2-1) BK21Plus Participation | **(**2-2) programs supported by BK21Plus(mark one or more) | (2-4) TotalParticipation Period of BK21Plus |
| □① Yes □② No **☞ Go to item 6.** | □① Short-term overseas study □② Long-term overseas study□③ Corporate internship(incl. filed placement)□④ Participation in domestic and overseas academic conferences and submission of academic papers □⑤ Scholarship □⑥ Others |

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Month(s) |

**6. What was your main purpose of studying doctoral program? (Please choose one answer.)**

**☞ After answering, go to item 6-1.**

□① To be a professor/professional researcher □② To get a job/change a job

□③ To promote in workplace □④ To gain honor

□⑤ To improve professional expertise □⑥ To get a qualification

□⑦ For self-achievement □⑧ Others

**6-1. Why did you decide to acquire a doctoral degree in Korea?**

**☞ After answering, go to item 7.**

□① Due to opportunities for financial aid(scholarship, RA etc.) □② Due to a good research environment(research facilities, etc.)

□③ Due to the quality of faculty, curriculum, etc. □④ Due to a cheaper cost of living in Korea

□⑤ To get a job in Korea □⑥ To study and work at the same time

□⑦ Due to family-related issues □⑧ Due to interest in Korean Culture □⑨ Others

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| **Ⅱ. Plan after Graduation and State of Employment**  |

**7. Are you planning to work (or change job) and move abroad after getting a doctoral degree (within 1 year)?**

 □① Stay in Korea **☞ go to item 8.** □② Go abroad (Country Code: )**☞ go to item 7-1.**

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| *※ Fill in the Country Code* ***(see Appendix 2****), if you are not staying in Korea.* |

**7-1. Why are you planning to move abroad?**

□① To do a postdoc abroad □② To get a job/ return to a former job

 □③ To live abroad □④ To return to your homeland(if non-Korean) □⑤ Others

**8. Are you currently employed or admitted for employment?**

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| □① Employed(except postdoc/ lecturer) **☞ Go to item 9.** □② Admitted for employment(except postdoc/ lecturer) **☞ Go to item 9.** □③ Admitted for a postdoc **☞ Go to item 9.**□④ Admitted for a lecturer **☞ Go to item 9.**□⑤ Unemployed, on job searching **☞ Go to item 16.**□⑥ Unemployed, no plan for job searching **☞ Go to item 8-1.** | **8-1. Why are you not planning to search for a job?****☞ Go to item 19.**□① Marriage, Child care, Housework or Family-related issues□② Planning to start own business □③ Planning to take exams and other preparations for qualification or employment□④ Health issues □⑤ Preparing to study abroad or further study□⑥ Military service-related issues□⑦ Others  |

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| **Ⅲ. (Admitted) Employees** |

**9. What is your current employment status?**

 □① Permanent Employee**☞ Go to item 9-1.** □② Temporary Employee**☞ Go to item 9-1.**

 □③ Daily Worker**☞ Go to item 9-1.** □④ Self-employed person with employees(Employer)**☞ Go to item 10.**

□⑤ Self-employed person with no employees(Own-account worker) **☞ Go to item 10.**

□⑥ Unpaid Family Worker **☞ Go to item 10.**

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| ※ ***Permanent Employees***: Paid workers who have employment contracts with a duration of longer than one year, Person who is a permanent employee in less than one year service period※ ***Temporary Employees***: Paid workers who have employment contracts with a duration of longer than one month but less than one year※ ***Daily Workers***: Paid workers who have employment contracts with a duration of no more than one month※ ***Self-employed persons with employees(Employer)***: Those who hire one or more workers for them in their business on a continuous basis※ ***Self-employed persons with no employees(Own-account worker)***: Those who work alone in their business or with one or more partners(including unpaid family worker) ※ ***Unpaid Family Workers***: Those who work without pay in an economic enterprise operated by family or relatives(no need to be in the same household) and work for more than 1/3 of regular working time of the enterprise |

**9-1. What is your employment type?**

□① regular □② irregular(full-time) □③ irregular(part-time)

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| *※* irregular(full-time): Work hours are more than 30 hours per week.*※*irregular(part-time): Work hours are less than 30 hours per week. |

 **10. What type of workplaces do you work in?**

□① University □② Elementary/Lower Secondary/Upper Secondary school □③ Central or Local Governments

□④ Public Research Institute □⑤ Private Research Institute(including a company-affiliated research institute)

□⑥ Public Company □⑦ Private Company □⑧ Started a Business/Self-employed(including a freelancer)

□⑨ Other Education Institute □⑩ Hospital/ Medical Institution(including a university hospital)

□⑪ Foundation/ Corporation/ Association etc. □⑫ Others

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| *※ Please check on ‘university’ if you are affiliated to c*entral or local *government and work in university.* *※ Research Institutes refers only to those registered as corporate.* |

**11. Please tell us brief information of your workplace.**

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| (1) Overseas Employment or not | (2) Location\* | (3) Industry type\*\* | (4) Number of Employees\*\*\* |
| □① Korea |

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| (City/Province: |  |  | ) |

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| (Industry Code: |  |  |  | ) |

 | □① 1 ~ 29 persons □② 30 ~ 99 persons□③ 100 ~ 299 persons □④ 300 ~ 999 persons □⑤ more than 1,000 persons |
| □② Overseas |

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| (Country Code: |  |  |  | ) |

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| *\* Please choose the City/ Province Code if your workplace is in Korea (see below), or fill in the Country Code* ***(see Appendix 2****), if not in Korea.****Seoul=1, Busan=2, Daegu=3, Incheon=4, Gwangju=5, Daejeon=6, Ulsan=7, Kyeonggi=8, Gangwon=9,******Chungbuk=10, Chungnam=11, Jeonbuk=12, Jeonnam=13, Gyeongbuk=14, Gyeongnam=15, Jeju=16, Sejong=17****\*\* Fill in the Industry Code (****see Appendix 3*** *).* *\*\*\* Please choose the* Number of Employees *based on the relevant institute* if *your workplace are universities or company-affiliated research institutes.* |

**12. What is your occupational type in the company/organization?**

□① Managers □② Biological and Natural Science Related Professionals and Technicians

□③ Liberal Arts and Social Science Related Professionals □④ Information & Communication Professionals and Technical Occupations

□⑤ Engineering Professionals and Technical Occupations □⑥ Health, Social Welfare and Religion Related Occupations

□⑦ Education Professionals and Related Occupations □⑧ Legal and Administration Professional Occupations

□⑨ Business and Finance Professionals and Related Occupations □⑩ Culture, Arts and Sports Professionals and Related Occupations

□⑪ Clerks □⑫ Service, Sales Workers □⑬ Craft Worker, Assembler □⑭ Armed Forces □⑮ Others

 **13. When did you (or are you scheduled to) start working at your current workplace?**

 (YYYY)

 **14. Please check your pre-tax annual salary(If you are admitted for employment, check your expected salary).**

 □① less than 20 million KRW/year □② 20~30 million KRW/year □③ 30~40 million KRW/year

□④ 40~50 million KRW/year □⑤ 50~60 million KRW/year □⑥ 60~70 million KRW/year

□⑦ 70~80 million KRW/year □⑧ 80~100 million KRW/year □⑨ more than 100 million KRW/year

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| *※ Pre-tax annual salary is the total sum including a basic salary, various allowances and bonuses.* |

 **15. How much is your current job(or job which you are to undertake) related to your doctoral major?**

□① Not at all □② slightly □③ quite a bit □④ strongly

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| **Ⅳ. Job Seekers and Career Changers** |

***※ Are you planning to get a job or change your job?***

□① On Job Searching □② Planning to Career Change □③ None ☞ **Go to item 19.**

 **16. What type of workplace do you most prefer?(Please write down 1st, 2nd rank)**

**---1st Preference: ( ), 2nd Preference ( )**

□① University □② Elementary/Lower Secondary/Upper Secondary school □③ Central or Local Governments

□④ Public Research Institute □⑤ Private Research Institute(including a company-affiliated research institute)

□⑥ Public Company □⑦ Private Company □⑧ Started a Business/Self-employed(including a freelancer)

□⑨ Other Education Institute □⑩ Hospital/ Medical Institution(including a university hospital)

□⑪ Foundation/ Corporation/ Association etc. □⑫ Others

 **17. What aspect of job is most important to you when you choose a job?**

□① Salary □② Job security □③ Level of matching job with major □④ Good prospects

□⑤ Social honor □⑥ Location of workplace □⑦ Organizational culture of workplace □⑧ Fringe benefits

□⑨ Personal aptitude □⑩ Others

 **18. How much annual salary do you expect?** **☞ After this question, please go to item 19.**

□① less than 20 million KRW/year □② 20~30 million KRW/year □③ 30~40 million KRW/year

□④ 40~50 million KRW/year □⑤ 50~60 million KRW/year □⑥ 60~70 million KRW/year

□⑦ 70~80 million KRW/year □⑧ 80~100 million KRW/year □⑨ more than 100 million KRW/year

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| **Ⅴ. Postdoctoral Program** |

 **19. Are you planning to apply for Postdoctoral Programs?**

□① Admitted as a postdoctoral researcher □② Plan(Prepare) to apply□③ None. **☞ Go to item 22.**

 **20. Where is the location of the program?**

□① Korea **☞ Go to item 21.** □② Abroad (Country Code: )**☞ Go to item 20-1.**

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| *※ Fill in the Country Code* ***(see Appendix 2****), if you are going abroad.* |

 **20-1. Are you planning to come back to Korea?**

□① Plan to come back after finishing the postdoctoral program

□② Plan to come back after finishing the postdoctoral program and gaining work experience

□③ Plan to come right back in case of getting a job in Korea(even though you have not finished the postdoctoral program)

□④ Plan to keep staying abroad

 **21. Where is source of funding for the program?**

□① University □② Government □③ Public Research Institute

□④ Private Research Institute □⑤ Private Company □⑥ Others

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| **Ⅵ. Lecturer** |

***※*** *Please only answer* ***if you are planning to lecture.***

 **22. Are you planning to lecture as a main job, or side job in next semester?**

□① full-time lecturer(lecturer as a main job) □② adjunct lecturer(lecturer as a side job) □③ None **☞ Survey termination. Thank you.**

 **23. Please answer your estimates for next semester on each question in the box.**

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| (1) Total Number of Lectures that you will hold | (2) Total Credit of Lectures | (3) Total Lecture Fees |
| ( ) Lectures | ( ) Credits | □① month ( )million KRW□② semester ( )million KRW |

**Thank you very much.**

**CONSENT FORM TO PARTICIPATE IN 「DPAG」**(DOCTORATE HOLDERS POLICY ADVISORY GROUP)

**FOR HIGH-LEVEL HUMAN RESOURCES**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| The Ministry of Education(MOE) and Korea Research Institute for Vocational Education and Training(KRIVET) are looking for advisors in order to seek policy advice for nurturing and using high-level human resources(doctorate holders).**1. PURPOSE** Providing policies and advices for nurturing and using high-level human resources(doctorate holders)**2. ACTIVITIES**① studying policies for nurturing and using high-level human resources, participating in survey projects, advising② Participation in surveys for doctorate panel**※ The advisory group’s activity duration is to be renewed every year.** **The participant in ‘Surveys for Doctorate Panel’ is certified as a panel regardless of duration.** **3. BENEFITS**① Small gifts to participants who complete the survey② Offering publications using research data on doctorate holders③ Reflection of advisory group’s opinion when collecting data for policy-making④ Priority given to participants as experts in conducting policy affairs **<PARTICIPANT INFORMATION>**

|  |  |  |  |
| --- | --- | --- | --- |
| **Full Name** | **(Mobile) Phone Number** | **E-mail** | **Mailing Address**(To Receive Postal Matter) |
|  |  |  |  |

※ This personal information is completely protected and only used for research purposes**(under the Statistics Law, article 33, Maintain the Anonymity and Secrecy Protection).****I hereby agree to participate in 「DPAG」(DOCTORATE HOLDERS POLICY ADVISORY GROUP)** **FOR HIGH-LEVEL HUMAN RESOURCES.** **Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** **EMB00000c9c306520 . . .**C:\Users\moe\Desktop\MI_MOE\jpg\교육부_영_좌우.jpg |

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| Appendix 1. Department Codes List |  |  |  |  |
|  |  |  |  |  |  |  |
| **(1) 인문계열, Humanities**  |  | **(5) 의약계열, Medical Sciences & Pharmacy**  |
| 11 | 언어 · 문학 | 　Linguistics · Letters |  | 51 | 간호 | 　Nursing Sciences |
| 12 | 인문학 | 　Humanities, General |  | 52 | 보건 | 　Health Sciences |
|  |  |  |  | 53 | 약학 | 　Pharmacy  |
| **(2) 사회계열, Social Sciences** |  | 54 | 의료 | 　Medical Sciences |
| 21 | 경영 · 경제 | 　Business administration · Economics |  | 55 | 보건 · 의약 기타 | 　Health · Medical Sciences, Other |
| 22 | 법학 | 　Law |  |  |  |  |
| 23 | 사회과학 | 　Social Sciences, General |  | **(6) 교육계열, Education**  |
|  |  |  |  | 61 | 교육 | 　Education |
| **(3) 공학계열, Engineering**  |  |  |  |  |
| 31 | 전기 · 전자 · 컴퓨터 | 　Electrical · Electronic ·Computer Science |  | **(7) 예술 · 체육계열, Art & Physical Education**  |
| 32 | 건설 · 토목 · 도시 | 　Structural · Civil · Urban |  | 71 | 무용 · 체육 | 　Dancing · Physical |
| 33 | 산업 · 안전 | 　Industrial · Safety  |  | 72 | 연극 · 영화 | 　Drama · Cinema |
| 34 | 소재 · 재료 · 금속 | 　Materials Science · Metallurgical |  | 73 | 응용예술 | 　Applied Arts |
| 35 | 기계 · 자동차 · 항공 | 　Mechanical · Automotive ·Aeronautic |  | 74 | 미술 · 조형 | 　Fine · Formative Arts |
| 36 | 화공 · 고분자 · 에너지 | 　Chemical · Polymer · Energy  |  | 75 | 음악 | 　Music |
| 37 | 공학 기타 | 　Engineering, Other |  | 76 | 디자인 | 　Design, General  |
|  |  |  |  | 77 | 예술 · 체육 기타 | 　Art · Physical, Other |
| **(4) 자연계열, Natural Sciences**  |  |  |  |  |
| 41 | 농림 · 수산 · 환경 | 　Agricultural · Fishing&fisheries ·Environmental Sciences |  |  |  |  |
| 42 | 화학 · 생물 · 생명과학 | 　Chemistry · Biology · Biomedical Sciences |  |  |  |  |
| 43 | 생활과학 | 　Life Sciences |  |  |  |  |
| 44 | 수학 · 통계 · 물리 | 　Mathematics · Statistics · Physics |  |  |  |  |
| 45 | 천문 · 지구 · 해양  | Astronomy · Earth · Ocean(Marine) Sciences |  |  |  |  |
| 46 | 자연과학 기타 | Natural Sciences, Other |  |  |  |  |

Appendix 2. Country Code

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 288 | 가나 (GHA) |  | 584 | 마셜 제도 (MHL) |  | 682 | 사우디아라비아 (SAU) |  | 92 | 영국령 버진아일랜드 (VGB) |  | 178 | 콩고 공화국 (COG) |
| 266 | 가봉 (GAB) |  | 175 | 마요트 (MYT) |  | 239 | 사우스조지아 사우스샌드위치 제도 (SGS) |  | 86 | 영국령 인도양 지역 (IOT) |  | 180 | 콩고 민주 공화국 (COD) |
| 328 | 가이아나 (GUY) |  | 446 | 마카오 (MAC) |  | 674 | 산마리노 (SMR) |  | 887 | 예멘 (YEM) |  | 192 | 쿠바 (CUB) |
| 270 | 감비아 (GMB) |  | 807 | 마케도니아 공화국 (MKD) |  | 678 | 상투메 프린시페 (STP) |  | 512 | 오만 (OMN) |  | 414 | 쿠웨이트 (KWT) |
| 831 | 건지 섬 (GGY) |  | 454 | 말라위 (MWI) |  | 666 | 생피에르 미클롱 (SPM) |  | 36 | 오스트레일리아 (AUS) |  | 184 | 쿡 제도 (COK) |
| 312 | 과들루프 (GLP) |  | 458 | 말레이시아 (MYS) |  | 732 | 서사하라 (ESH) |  | 40 | 오스트리아 (AUT) |  | 191 | 크로아티아 (HRV) |
| 320 | 과테말라 (GTM) |  | 466 | 말리 (MLI) |  | 686 | 세네갈 (SEN) |  | 340 | 온두라스 (HND) |  | 162 | 크리스마스 섬 (CXR) |
| 316 | 괌 (GUM) |  | 833 | 맨 섬 (IMN) |  | 688 | 세르비아 (SRB) |  | 248 | 올란드 제도 (ALA) |  | 417 | 키르기스스탄 (KGZ) |
| 308 | 그레나다 (GRD) |  | **484** | **멕시코 (MEX)** |  | 690 | 세이셸 (SYC) |  | 400 | 요르단 (JOR) |  | 296 | 키리바시 (KIR) |
| 300 | 그리스 (GRC) |  | 492 | 모나코 (MCO) |  | 662 | 세인트루시아 (LCA) |  | 800 | 우간다 (UGA) |  | 196 | 키프로스 (CYP) |
| 304 | 그린란드 (GRL) |  | 504 | 모로코 (MAR) |  | 670 | 세인트빈센트 그레나딘 (VCT) |  | 858 | 우루과이 (URY) |  | **764** | **타이 (THA)** |
| 324 | 기니 (GIN) |  | 480 | 모리셔스 (MUS) |  | 659 | 세인트키츠 네비스 (KNA) |  | 860 | 우즈베키스탄 (UZB) |  | 762 | 타지키스탄 (TJK) |
| 624 | 기니비사우 (GNB) |  | 478 | 모리타니 (MRT) |  | 654 | 세인트헬레나 (SHN) |  | 804 | 우크라이나 (UKR) |  | 834 | 탄자니아 (TZA) |
| 516 | 나미비아 (NAM) |  | 508 | 모잠비크 (MOZ) |  | 706 | 소말리아 (SOM) |  | 876 | 왈리스 퓌튀나 (WLF) |  | 796 | 터크스 케이커스 제도 (TCA) |
| 520 | 나우루 (NRU) |  | 499 | 몬테네그로 (MNE) |  | 90 | 솔로몬 제도 (SLB) |  | 368 | 이라크 (IRQ) |  | 792 | 터키 (TUR) |
| 566 | 나이지리아 (NGA) |  | 500 | 몬트세랫 (MSR) |  | 736 | 수단 (SDN) |  | 364 | 이란 (IRN) |  | 768 | 토고 (TGO) |
| 10 | 남극 (ATA) |  | 498 | 몰도바 (MDA) |  | 740 | 수리남 (SUR) |  | 376 | 이스라엘 (ISR) |  | 772 | 토켈라우 (TKL) |
| 728 | 남수단 (SSD) |  | 462 | 몰디브 (MDV) |  | 144 | 스리랑카 (LKA) |  | 818 | 이집트 (EGY) |  | 776 | 통가 (TON) |
| 710 | 남아프리카 공화국 (ZAF) |  | 470 | 몰타 (MLT) |  | 744 | 스발바르 얀마옌 제도 (SJM) |  | 380 | 이탈리아 (ITA) |  | 795 | 투르크메니스탄 (TKM) |
| **528** | **네덜란드 (NLD)** |  | 496 | 몽골 (MNG) |  | 748 | 스와질란드 (SWZ) |  | 360 | 인도네시아 (IDN) |  | 798 | 투발루 (TUV) |
| 530 | 네덜란드령 안틸레스 (ANT) |  | **840** | **미국 (USA)** |  | **752** | **스웨덴 (SWE)** |  | **356** | **인도 (IND)** |  | 788 | 튀니지 (TUN) |
| 524 | 네팔 (NPL) |  | 581 | 미국령 군소 제도 (UMI) |  | 756 | 스위스 (CHE) |  | **392** | **일본 (JPN)** |  | 780 | 트리니다드 토바고 (TTO) |
| 578 | 노르웨이 (NOR) |  | 850 | 미국령 버진아일랜드 (VIR) |  | **724** | **스페인 (ESP)** |  | 388 | 자메이카 (JAM) |  | 591 | 파나마 (PAN) |
| 574 | 노퍽 섬 (NFK) |  | 104 | 미얀마 (MMR) |  | 703 | 슬로바키아 (SVK) |  | 894 | 잠비아 (ZMB) |  | 600 | 파라과이 (PRY) |
| 540 | 누벨칼레도니 (NCL) |  | 583 | 미크로네시아 연방 (FSM) |  | 705 | 슬로베니아 (SVN) |  | 832 | 저지 섬 (JEY) |  | 586 | 파키스탄 (PAK) |
| 554 | 뉴질랜드 (NZL) |  | 548 | 바누아투 (VUT) |  | 760 | 시리아 (SYR) |  | 226 | 적도 기니 (GNQ) |  | 598 | 파푸아 뉴기니 (PNG) |
| 570 | 니우에 (NIU) |  | 48 | 바레인 (BHR) |  | 694 | 시에라리온 (SLE) |  | 408 | 북한 (PRK) |  | 585 | 팔라우 (PLW) |
| 562 | 니제르 (NER) |  | 52 | 바베이도스 (BRB) |  | 702 | 싱가포르 (SGP) |  | 268 | 조지아 (GEO) |  | 275 | 팔레스타인 (PSE) |
| 558 | 니카라과 (NIC) |  | 336 | 바티칸 시국 (VAT) |  | 784 | 아랍에미리트 (ARE) |  | 140 | 중앙아프리카 공화국 (CAF) |  | 234 | 페로 제도 (FRO) |
| **410** | **대한민국 (KOR)** |  | 44 | 바하마 (BHS) |  | 533 | 아루바 (ABW) |  | 158 | 중화민국 /대만 (TWN) |  | 604 | 페루 (PER) |
| 208 | 덴마크 (DNK) |  | 50 | 방글라데시 (BGD) |  | 51 | 아르메니아 (ARM) |  | **156** | **중국 (CHN)** |  | 620 | 포르투갈 (PRT) |
| 212 | 도미니카 연방 (DMA) |  | 60 | 버뮤다 (BMU) |  | 32 | 아르헨티나 (ARG) |  | 262 | 지부티 (DJI) |  | 238 | 포클랜드 제도 (FLK) |
| 214 | 도미니카 공화국 (DOM) |  | 204 | 베냉 (BEN) |  | 16 | 아메리칸사모아 (ASM) |  | 292 | 지브롤터 (GIB) |  | 616 | 폴란드 (POL) |
| 276 | 독일 (DEU) |  | 862 | 베네수엘라 (VEN) |  | 352 | 아이슬란드 (ISL) |  | 716 | 짐바브웨 (ZWE) |  | 630 | 푸에르토리코 (PRI) |
| 626 | 동티모르 (TLS) |  | **704** | **베트남 (VNM)** |  | 332 | 아이티 (HTI) |  | 148 | 차드 (TCD) |  | **250** | 프랑스 (FRA) |
| 418 | 라오스 (LAO) |  | 56 | 벨기에 (BEL) |  | 372 | 아일랜드 (IRL) |  | 203 | 체코 (CZE) |  | 254 | 프랑스령 기아나 (GUF) |
| 430 | 라이베리아 (LBR) |  | 112 | 벨라루스 (BLR) |  | 31 | 아제르바이잔 (AZE) |  | 152 | 칠레 (CHL) |  | 260 | 프랑스령 남부와 남극 지역 (ATF) |
| 428 | 라트비아 (LVA) |  | 84 | 벨리즈 (BLZ) |  | 4 | 아프가니스탄 (AFG) |  | 120 | 카메룬 (CMR) |  | 258 | 프랑스령 폴리네시아 (PYF) |
| **643** | **러시아 (RUS)** |  | 70 | 보스니아 헤르체고비나 (BIH) |  | 20 | 안도라 (AND) |  | 132 | 카보베르데 (CPV) |  | 242 | 피지 (FJI) |
| 422 | 레바논 (LBN) |  | 72 | 보츠와나 (BWA) |  | 8 | 알바니아 (ALB) |  | 398 | 카자흐스탄 (KAZ) |  | 246 | 핀란드 (FIN) |
| 426 | 레소토 (LSO) |  | 68 | 볼리비아 (BOL) |  | 12 | 알제리 (DZA) |  | 634 | 카타르 (QAT) |  | **608** | **필리핀 (PHL)** |
| 638 | 레위니옹 (REU) |  | 108 | 부룬디 (BDI) |  | 24 | 앙골라 (AGO) |  | 116 | 캄보디아 (KHM) |  | 612 | 핏케언 제도 (PCN) |
| 642 | 루마니아 (ROU) |  | 854 | 부르키나파소 (BFA) |  | 28 | 앤티가 바부다 (ATG) |  | 124 | 캐나다 (CAN) |  | 334 | 허드 맥도널드 제도 (HMD) |
| 442 | 룩셈부르크 (LUX) |  | 74 | 부베 섬 (BVT) |  | 660 | 앵귈라 (AIA) |  | 404 | 케냐 (KEN) |  | 348 | 헝가리 (HUN) |
| 646 | 르완다 (RWA) |  | 64 | 부탄 (BTN) |  | 232 | 에리트레아 (ERI) |  | 136 | 케이맨 제도 (CYM) |  | 344 | 홍콩 (HKG) |
| 434 | 리비아 (LBY) |  | 580 | 북마리아나 제도 (MNP) |  | 233 | 에스토니아 (EST) |  | 174 | 코모로 (COM) |  |  |  |
| 440 | 리투아니아 (LTU) |  | 100 | 불가리아 (BGR) |  | 218 | 에콰도르 (ECU) |  | 188 | 코스타리카 (CRI) |  |  |  |
| 438 | 리히텐슈타인 (LIE) |  | 76 | 브라질 (BRA) |  | 231 | 에티오피아 (ETH) |  | 166 | 코코스 제도 (CCK) |  |  |  |
| 450 | 마다가스카르 (MDG) |  | 96 | 브루나이 (BRN) |  | 222 | 엘살바도르 (SLV) |  | 384 | 코트디부아르 (CIV) |  |  |  |
| 474 | 마르티니크 (MTQ) |  | 882 | 사모아 (WSM) |  | **826** | **영국 (GBR)** |  | 170 | 콜롬비아 (COL) |  |  |  |

Appendix 3. Industry Code

|  |  |  |
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| **농업, 임·어업, 광업 (Agriculture, Forestry & Fishing, Mining)** |    | **금융, 보험, 부동산업 (Financial Institutions, Insurance, Real Estate)** |
| 1 | 농업 | Agriculture |    | 64 | 금융업 | Financial Institutions, Except Insurance and Pension Funding |
| 4 | 임업 및 어업 | Forestry & Fishing |    | 65 | 보험 및 연금업 | Insurance and Pension Funding |
| 9 | 광업 | Mining and quarrying |    | 66 | 금융 및 보험 관련 서비스업 | Activities Auxiliary to Financial Service and Insurance Activities |
|  |  |  |    | 68 | 부동산업 | Real Estate Activities |
| **제조업 (Manufacture)** |    |    |
| 10 | 식료품·음료제조업 | Manufacture of Food Products & Beverages |    | **연구개발, 전문 서비스업 (Research, Professinal Services)** |
| 13 | 섬유제품 제조업 | Manufacture of Textiles |    | 701 | 자연과학 및 공학 연구개발업 | Research and Experimental Development On Natural Sciences and Engineering |
| 16 | 목재 및 나무제품 제조업 | Manufacture of Wood Products of Wood and Cork |    | 702 | 인문 및 사회과학 연구개발업 | Research and Experimental Development On Social Sciences and Humanities |
| 18 | 인쇄 및 기록매체 복제업 | Printing and Reproduction of Recorded Media |    | 71 | 전문서비스업 | Professional Services |
| 20 | 화학물질 및 화학제품 제조업;의약품 제외 | Manufacture of chemicals and chemical products except pharmaceuticals, medicinal chemicals |    | 72 | 건축기술, 엔지니어링 및 기타 과학기술 서비스업 | Architectural, Engineering and Other Scientific Technical Services |
| 21 | 의료용 물질 및 의약품 제조업 | Manufacture of Pharmaceuticals, Medicinal Chemicals and Botanical Products |    | 73 | 기타 전문, 과학 및 기술 서비스업 | Professional, Scientific and Technical Services, n.e.c. |
| 22 | 고무제품 및 플라스틱제품 제조업 | Manufacture of Rubber and Plastic Products |    |    |
| 23 | 비금속 광물제품 제조업 | Manufacture of Other Non-metallic Mineral Products |    | **사업시설관리, 지원 서비스업(Business facilities management and support services)** |
| 24 | 1차 금속 제조업 | Manufacture of Basic Metal Products |    | 76 | 사업시설관리 및 사업지원 서비스업 | Business facilities management and business support services |
| 25 | 금속가공제품 제조업;기계 및 가구 제외 | Manufacture of Fabricated Metal Products, Except Machinery and Furniture |    |    |
| 26 | 전자부품, 컴퓨터, 영상, 음향 및 통신장비 제조업 | Manufacture of Electronic Components, Computer, Radio, Television and Communication Equipment and Apparatuses |    | **공공행정 (Public administration)** |
| 27 | 의료, 정밀, 광학기기 및 시계 제조업 | Manufacture of Medical, Precision and Optical Instruments, Watches and Clocks |    | 84 | 공공행정, 국방 및 사회보장 행정 | Public administration and defence ; compulsory social security |
| 28 | 전기장비 제조업 | Manufacture of electrical equipment |    |    |
| 29 | 기타 기계 및 장비 제조업 | Manufacture of Other Machinery and Equipment |    | **교육서비스업 (Education)** |
| 30 | 자동차 및 트레일러 제조업 | Manufacture of Motor Vehicles, Trailers and Semitrailers |    | 851 | 초등교육기관(유아 포함) | Primary Education(Pre-Primary also) |
| 31 | 기타 운송장비 제조업 | Manufacture of Other Transport Equipment |    | 852 | 중등교육기관 | Secondary Education |
| 34 | 제조업 기타 | Manufacture, n.e.c. |    | 853 | 고등교육기관 | Higher Education |
|    |    | 854 | 특수학교, 외국인학교 및 대안학교 | Schools for the Handicapped and Foreigners, Alternative Schools |
| **전기, 가스, 수도, 환경, 건설업 (Electricity, Gas, Wate Supply, Remediation, Construction)** |    | 855 | 일반 교습 학원 | General Private Educational Institute |
| 35 | 전기, 가스, 증기 및 수도사업 | Electricity, gas, steam and water supply |    | 856 | 기타 교육기관 | Adult and Other Education |
| 40 | 하수·폐기물 처리, 원료재생 및 환경복원업 | Sewerage, waste management, materials recovery and remediation activities |    | 857 | 교육지원 서비스업 | Educational Support Activities |
| 43 | 건설업 | Construction |    |    |
|    |    | **보건, 사회복지업 (Human health and social work activities)** |
| **도·소매, 운수, 숙박, 음식점업 (Wholesale, Retail Trade, Transportation, Accommodation, Food)** |    | 86 | 보건업 | Human Health |
| 45 | 자동차 및 부품 판매업 | Sale of Motor Vehicles and Parts |    | 87 | 사회복지 서비스업 | Social Work Activities |
| 46 | 도매 및 상품중개업 | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |    |    |
| 47 | 소매업; 자동차 제외 | Retail Trade, Except Motor Vehicles and Motorcycles |    | **예술, 스포츠 및 여가관련 서비스업 (Arts, sports and recreation related services)** |
| 53 | 운수업 | Transportation |    | 90 | 창작, 예술 및 여가관련 서비스업 | Creative, Arts and Recreation Related Services |
| 55 | 숙박업 | Accommodation |    | 91 | 스포츠 및 오락관련 서비스업 | Sports activities and amusement activities |
| 56 | 음식점 및 주점업 | Food and beverage service activities |    |    |
|    |    | **협회 및 단체, 개인서비스, 국제 및 외국기관 (Membership Organizations, Personal Services, Extra-Territorial Organizations)** |
| **출판, 영상, 방송통신 및 정보서비스업 (Information and communications)** |    | 94 | 협회 및 단체 | Membership Organizations |
| 58 | 출판업 | Publishing activities |    | 95 | 수리업 | Maintenance and Repair Services |
| 59 | 영상·오디오 기록물 제작 및 배급업 | Motion picture, video and television programme production, sound recording and music publishing activities |    | 96 | 기타 개인 서비스업 | Other Personal Services Activities |
| 60 | 방송업 | Broadcasting |    | 99 | 국제 및 외국기관 | Extra-Territorial Organizations and Bodies |
| 61 | 통신업 | Telecommunications |    |    |    |    |
| 62 | 컴퓨터 프로그래밍, 시스템 통합 및 관리업 | Computerprogramming,consultancyandrelatedactivities  |    |    |    |    |
| 63 | 정보서비스업 | Information service activities |  |  |  |  |