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# Analysis of Environmental science and pollution using the SPSS Method

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### Abstract

Environmentally hazardous materials are pollution. These dangerous substances are called pollutants. Contaminants together with volcanic ash can be herbal. They also can be created by means of human activities inclusive of garbage or waste produced by way of factories. Pollution damages air, water, and land nice, and whilst you study environmental science, you're dedicated to gaining knowledge of about topics like knowledge Earth techniques, comparing alternative electricity assets, the outcomes of climate change, and controlling pollutants. Burning fossil fuels consisting of oil, fuel or coal. Smoke from your cars. Environmental Science and Pollution Research (ESPR) focuses on chemical compounds in all areas of environmental science and related subjects to the international community. It reports from a broad interdisciplinary perspective. Ginning for Water Pollution of Lake Nancy Basin results to be the largest contributor As indicated, with industry evidence More pollution from domestic sources compared to has wastewater, COD and NH3-N Mainly came from coal mining and washing, Manufacture of raw chemicals and chemical products, paper Manufacturing industry and food processing industry. Yet there is a detailed history of SPSS from 1968to 2009, to be had to everybody involved. Nonmetal mineral product industry, General equipment manufacturing, Mining and washing of coal, Textile industry, Food manufacturing industry, Special equipment manufacturing The Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is . 865 which indicates 86% reliability. From the literature review, the above 50% Cronbach's Alpha value model can be considered for analysis The Cronbach's Alpha Reliability result. **Keywords:** Nonmetal mineral product industry, General equipment manufacturing, mining and washing of coal, Textile industry, Food manufacturing industry, Special equipment manufacturing.

### Introduction

Environmental excellent and sustainable eco-monetary development (Destek and Sarkodie 2019). The growth in energy consumption due to CO2 emissions is a relevant resource in making sure that financial growth is linked to high levels of CO2 emissions that are dangerous to human fitness and the surroundings. However, carbon intensity in developing international locations has hindered their warfare within the direction of economic increase, thereby recognizing the need for industrial economies to heighten monetary programs to mitigate worldwide warming caused in large part via their efforts [1]. Although they represent a small percentage of land-primarily based pollutants, the surroundings is increasingly more diagnosed. Properly planned usage of aquaculture waste mitigates the problems of water pollutants and no longer most effective conserves valuable water sources but additionally utilizes the vitamins contained inside the wastewater. It is distinctly annoying to increase sustainable aquaculture that maintains stocking densities and pollutant loadings underneath ecological capacity. Environmental issues raised by means of aquaculture waste require the Chinese authorities to undertake a chain of rules and controls. Aquaculture systems incorporating waste remedy and wastewater reuse centers are unexpectedly being developed due to the fact they have the advantage of minimum water input and wastewater output, even as permitting complete manage of the lifestyle surroundings [2]. The ecological economics literature tactics this query via two opposing hypotheses. First, the pollutants haven hypothesis suggests that pollution-intensive manufacturing activities are transferred from developed nations to nations with greater cozy environmental guidelines thru FDI. Thus, evolved economies reduce fees to comply with environmental guidelines and gain from cheaper hard work pressure. Another hypothesis, called the pollution halo hypothesis, states that making an investment evolved u . S . Companies make contributions to reducing the host usa's emissions due to the fact their manufacturing device is predicated on green generation, not like the host united states of america's existing production [3]. Contaminant tiers envisioned by EFs and Igeo gift small variations for Cd, Ni and As. EFs advocate little contamination, while Igeo's contamination suggests Bno contamination. ^ This makes the estimates more practical especially because Igeo takes under consideration the natural diagenesis manner. Regarding the geographical region of the studied cities in phrases of EF factors and Igeo, the pollution stages in japanese China have been higher than the ones inside the western regions, in particular within the southeastern coastal cities. The place east of the Aihui-Tengchong line has the best population density, accounting for ninety% of the population, accounting for just 40% of the united states's land place [4]. Environmental assessment, especially neighborhoods, economic Total analysis of organization

and society In this study with the aid of reading the C&DW disposal technique from an environmental attitude mixed with economy and society, This article is about environmental pollutants, economic impact and social disposal of C&DW useful resources Analyzes the blessings, and Guangzhou Takes as an example. C&DW in surroundings Impact of disposal greenhouse fuel emissions and Cash losses caused by gadget dynamics approach Simulate, removing more resources A according to absolute advantages Create a strategic option. technique [5]. To evaluate the environmental affects of entertainment-related activities and these with desirable degrees of pollution (Gössling et al. 2005). Saenz-de-Miera and Rosselló (2013) identified the involvement of travelers in air pollution through reading tropospheric ozone stages in Mallorca (Spain). The outcomes display that increasing visitor pastime in Mallorca is related to every day concentrations of tropospheric ozone generated by means of delivery, aircon and other activities [6]. Environmental packages are characterized by means of their sustainability and affordability and have a extensive range of package options, each tailor-made to a particular precise application. Apart from environmental duties, IIPs are used rather for antibodies in membranes, in drug shipping and in biosensors [7]. Pollution regular with the halo hypothesis. According to the halo speculation, foreign direct investment is expected to reduce environmental degradation via transferring environmentally friendly manufacturing approaches from developed to growing nations (Shabaz et al. 2016). Most of the preceding empirical research have established that overseas industries and the goods they produce can growth air pollutants, that is consistent with pollutants [8]. Ecological Studies Using Crustacean Model Species For a success use of each biomarker, their intrinsic houses ought to be known earlier than an (eco)toxicity have a look at can be designed. We advise that the substantial revel in gained For emerging biology. Surroundings Many of these approaches in environmental research Packages are advised, in which Includes investigation The mechanism of action of the pollutant is unknown in the environment Rapid screening of contaminants (ie stress Rapid screening of contaminants (ie stress Better analysis of outcomes compounds [9]. Environmental issues raised by way of aquaculture waste require the Chinese authorities to undertake a series of guidelines and controls. Aquaculture structures incorporating waste treatment and wastewater reuse facilities are swiftly being developed due to the fact they've the benefit of minimal water input and wastewater discharge, at the same time as permitting full manage of cultural environment environmental pollutants because of software styles, transport and oblique results. Law of Chemicals. Rao et al. (2013) presented a fixed of policy eventualities on air pollutants, weather alternate, energy get entry to and health influences for 2030. The results highlight the urgency of implementing current worldwide air high-quality legislation in addressing the affects of out of doors air pollution. Akhmat et al. (2014a) investigated the lengthy-time period courting between climate elements, air pollution and power sources inside the European Union-15 (EU-15) nations, new EU member states, G-7 nations and different countries. 1975–2012. The policy directive to lessen greenhouse gases emissions simultaneously changes the emission of conventional pollutants which have unfavourable results on human health and the surroundings [10]. Change in watershed environmental exceptional. Growing industries can boom the chance of water pollution. Therefore, based totally on GDP and water quality facts, the correlation and exchange among water environmental pleasant and financial development changed into analysed. Daly (1980) thinks that with the growth of the economy resources will be depleted, so one can get worse the environment. But, with the speedy improvement of the economic system, the water environment pleasant of Nancy Lake has stepped forward appreciably. Therefore, in step treatment approach of the small basin, the way to improve the water environmental satisfactory of the Nancy Lake watershed turned into analyzed [11]. To compare the environmental influences of leisure-related activities and those with appropriate ranges of pollution (Gössling et al. 2005). Saenz-de-Miera and Rosselló (2013) identified the involvement of travelers in air pollutants by way of reading tropospheric ozone stages in Mallorca (Spain). The results display that growing tourism interest in Mallorca is associated with each day concentrations of tropospheric ozone generated through traffic, air con and different polluted environments. The technology has to this point been specifically used to take away poisonous heavy metals from infected soils, but there is developing interest in expanding its applications to eliminate/lessen natural pollutants in the environment. Both plants and soil microbes have sure boundaries with appreciate to their individual capabilities to put off/decompose organic compounds. The synergistic activity of rhizosphere microorganisms leading to the accumulation of hydrophobic compounds and flora main to their elimination and/or degradation might also triumph over several boundaries and hence offer a useful basis for amelioration of polluted environments [12]. These emissions are global warming and the entire planet Extremes that include threatening climate change Considered as the main distribution of environmental problems (Jebli et al. 2016). That global ecosystem The end result of failures is to reduce carbon emissions Countries are under intense political and social pressure. In addition, most OECD countries They have signed the Kyoto agreement lessen greenhouse gasoline emissions with the aid of five% below 1990 ranges in 2008-2012. Therefore, the most critical way for OECD countries to fight and conquer worldwide Environmental troubles is to turn to renewable electricity assets. The International Energy Agency predicts that the production of fossil strength resources will decrease via nearly 50% by 2030. This scenario can cause a few severe issues along with growing oil fees and threats to power safety in OECD countries, which account for nearly 63% of global GDP. In 2014. Also, increasing renewable strength sources is the most critical way to triumph over these economic issues [13]. Environmental air first-rate produces haze, Smoke and photochemical pollution Proposed to measure dust A methodological framework has been developed pollutants as a result of delivery from Deserts and Ice in Northwest China and completed its findings in the spring. Whereas, Serb et al. (2018) conducted a study, Wind Pollution Public Health, Climate System and Radiology That has a great impact on power determined. Because of this Characteristics of air pollution must show its compositions, assets and chemical residences [14]. Environmental Science. We will describe available equipment that can be used to benefit a better mechanistic knowledge of poisonous consequences and growth the sensitivity, applicability, and predictability of traditional toxicological test designs based on macroscopic morphological endpoints. We will awareness on

the zebrafish (*Danio rerio*), one of the best defined and most popular vertebrate model species in developmental genetics and ecotoxicology. Zebrafish is specific in terms of to be had expertise, era and approaches [15]. Pollution reduction of every layer. This look at sought to determine the impact Storm water infiltration and drainage from the ground Contaminants, nature of permeable pavement Layer reduction and its impact thickness on water infiltration and pollution discount. Also, the variant of stormwater infiltration charge and pollutant elimination rate of every layer of the rainy season turned into studied [16]. Pollution generated within the financial system will increase. The technical The result is environmentally satisfactory Indicates growth earnings increases (Grossman and Krueger 1991). Alternately open Aggregate effect of level, of a country's output Reflects the change that occurs when admissions open as much as exchange and will become extra globalized. If a country's comparative benefits are shifted to cleaner industries, Trade transparency pollutes or pollutes from materials with very low pollutant or Lead to easier switching to goods and services. The manufacturing system Capital of dirty goods is extensive, meanwhile Release of Soft Merchandise Human capital or labor. in depth [17]. Environmental metrics, none of these studies are urban A wide range water cycle such compounds in environments Not even beginning to establish perspective. From environment to environment Water APE for all environmental media this reviews the concentrations water source Sums it up. Diffusion of compounds Once in every environmental compartment (city sewage, sewage remedy vegetation, atmosphere and natural environment) is classed, the facts are analyzed Fate of APE within the ecosystem and their geography and to understand the established order historical traits [18]. Pollutant-emitting merchandise, consequently, lead countries to direct their elements of production to agencies Technical products. It's carbon emissions culminating in reduction (Apergis et al. 2018). Also, techniques used in manufacturing turn out to be more superior and purifier with the associated development in generation. Through generation-extensive revolutionary manufacturing strategies, less strength is ate up in manufacturing, which reduces CO<sub>2</sub> emissions (Grossman and Krueger 1992; Shahbaz et al. 2018; Yin et al. 2015). In different phrases, one of the maximum crucial controlling factors is the technology that countries use of their manufacturing strategies [19]. Pollution situations in beyond years and familiarity with environmental troubles are essential predictors influencing humans's notion of whether or not a chief river is closely polluted. The version turned into in a position to correctly expect seventy-seven% Observations. For the drinking water sweet model, three Predictors are relevant and they explained 66% of the observations [20].

### Materials and Method

**Nonmetal mineral product industry:** Non-metallic minerals, for example, Sand, gravel, limestone, Clay and marble Such products do not have metal housings, which is good Electrical and thermal conductivity, luster, hardness and compatibility include; However They are essential for many industries. Non-steel mineral industries have many stuff in not unusual, which include the uncooked substances they use and the health and protection issues they face. They include: cement; Ceramics; concrete; Glass & Glazing; Heavy clay & bricks and refractory stations. Non-metallic mineral materials such as cement, ceramics, Manufacture of glass and lime have This production Departments are categorized via changing certainly happening minerals including lime, silica and clay via an power-in depth process.

**General equipment manufacturing:** General equipment and machinery manufacturing industry is defined as follows: "Manufacturing of equipment widely used in prime movers, fluid transfer equipment, pumps, compressors, stopcock, valve, mechanical transmission equipment, transmission machinery equipment, office machinery equipment, pollution prevention. Manufacturing equipment" is a specific It is defined as "owned, equipped or provided for the purpose". Basically, production equipment supports the activity of producing goods sold by the company. General manufacturing companies are engaged in the creation, processing and manufacture of products from raw materials and materials into components, assemblies and final consumer products in a wide variety of industries.

**Mining and washing of coal:** Coal washing is the attention of combustible substances in coal via eliminating non-flammable impurities the use of business separators based totally on the unique gravity of the coal and the separation of associated impurities along with shale, sand and stones. Target client. Float-sink tests are accomplished on samples of coal from beds that require washing (use, guidance) to cast off sulfur or ash (rock and mineral count number) from the coal to satisfy the stop consumer's favored specs. Washed Coal – Coal that has been mechanically washed free of impurities including ash, soil, and rock. Washed coal burns longer and presents more power. Most of the imported coal is washed, but maximum Indian coal charges plenty less and is of the unwashed range. Most coal refining Processes are upward currents or fluid Use pulses, which contain excess coal and water to fluidize the bed of impurities Includes. Lighter coal debris upwards Pushed from the top of the bed are removed. from that Heavy impurities are removed.

**Textile industry:** Image Conclusion for Textile Industry The textile industry mainly produces yarn, cloth and Design, manufacture and distribution of garments Concerned about. The raw material is chemical Naturally using industrial products or it could be artificial. Fibers, yarns, fabric construction and finishing and designing [of garments] are the various components of textile production. Plant based. Over the years, the use of plant-based fabrics has become an animal-based trend. Textiles made from this fiber usually come from the fur or skin of cellulosic animals. Cellulosic fibers are extracted from the cellulose found in woody plants. Semi-synthetic. Artificial. Generally, fabrics are products that have undergone additional processes. Textiles refer to basic materials made from woven fibers, but once other processes such as sewing are used to make clothing, they are considered fabrics. Either natural or synthetic or a combination of both. Textile fibers Natural (organic) fibers and man-made (Synthetic, industrial) fibers can be classified as and there are numerous types of textile fibers.

**Food manufacturing industry:** Industries in the food production subsector convert cattle and agricultural merchandise into products for intermediate or final intake. Industry agencies are prominent by using the raw materials (commonly of animal or

vegetable beginning) processed into meals merchandise. The meals and beverage manufacturing industry sincerely includes More than 30 specialty industries. Meat, Poultry and Fish Processing, Grain Mills, Malting, Bakeries, Sugar Confectionery, Fruit and Vegetable Processing, oils and fats, butter and cooking oils, pasta, Baby food and milk products. All merchandise are categorized into one in all 4 organizations: 1-unprocessed or unprocessed or minimally processed food; 2-simple or number one processed food; three-reasonably processed meals; four-Highly or especially-processed meals (consisting of the "prepared food and feed" group which is separate in the case of IFIC class). The industry is concerned in primary and downstream processing of agricultural products. In some sectors of the meals industry, home producers locate it tough to compete with worldwide manufacturing giants. Food production affords jobs to hundreds of lots of humans across the country.

**Special equipment manufacturing:** Special purpose equipment is system Studies, Medicine, Science or other for technical purposes only is used. Examples unique reason device are units and Spectrometers. See Microscopes, X-ray machines surgical additionally two hundred.33 Equipment and two hundred.48 General purpose equipment. Production device is described as "owned, outfitted or supplied for a particular reason". Essentially manufacturing gadget supports the hobby of manufacturing goods sold with the aid of the corporation. Examples of fixed manufacturing device consist of: Machinery an authentic system manufacturer (OEM) is historically defined as a company whose materials are used as components in any other agency's merchandise after which sells the completed product to users. Process manufacturing is a manufacturing approach that creates goods by way of combining substances, products, or uncooked materials the use of a components or recipe. It is regularly utilized in industries that produce bulk merchandise including meals, drinks, delicate oil, fuel, prescription drugs, chemical substances, and plastics.

**Method:** SPSS through Basics of SPSS of students using the publications Introductory Statistics and Research Methods strategies the use of step-via-step explanations affords statistical strategies and methods for undertaking Statistical analysis, and statistics All common in the analysis How to avoid defects Explains that in elements. The development of easy- To use statistical software including SPSS, Records are taught and discovered has changed. Students can perform transformations of variables, Graphs of distributions of variables can be constructed, and with the click of a button Select from statistical analysis. Spss statistics is information control, advanced analytics, multivariate analytics, commercial enterprise intelligence, and 0criminal investigation evolved with the aid of IBM is a statistical software program package deal. Long time, spa inc. Was created through, IBM and acquired in 2009. The logo calls for the maximum latest variations in IBM spss information. The "statistical package deal for the social sciences" (spss), a hard and fast software program gear for changing, analyzing, and displaying information, is normally used. Multiple formats are to be had for spss. Numerous upload-on modules can be purchased to increase the software's statistics entry, statistical, or reporting abilities. The core software is referred to as an spss base. The spss advanced models and spss regression version's add-on modules are, in our opinion, the most essential of those for statistical analysis. Additionally, independent programs that connect to spss are available from spas inc. Spss is available in versions for windows (98, 2000, me, nt, and XP), supported by windows 2000 running spss version 11.0.1. Although further versions of the spss will most likely be available by the time this book is released, we are certain that the spss instructions provided in each chapter will still apply to the studies outlined.

## Result and Discussion

TABLE 1. Descriptive Statistics

	N	Range	Minimum	Maximum	Sum	Mean	Std. Deviation	Variance	Skewness	Kurtosis			
Nonmetal mineral product industry	25	4	1	5	72	2.88	.247	1.236	1.527	.390	.464	-.530	.902
General equipment manufacturing	25	4	1	5	77	3.08	.305	1.525	2.327	.007	.464	-1.461	.902
Mining and washing of coal	25	4	1	5	68	2.72	.292	1.458	2.127	.269	.464	-1.267	.902
Textile industry	25	4	1	5	75	3.00	.306	1.528	2.333	.152	.464	-1.449	.902
Food manufacturing industry	25	4	1	5	76	3.04	.286	1.428	2.040	.204	.464	-1.120	.902
Special equipment manufacturing	25	4	1	5	71	2.84	.298	1.491	2.223	.133	.464	-1.293	.902

Table 1 shows the descriptive statistics values for analysis N, Range, Minimum, Maximum, Sum Mean Std. Deviation Variance Skewness Kurtosis Nonmetal mineral product industry, General equipment manufacturing, Mining and washing of coal, Textile industry, Food manufacturing industry, Special equipment manufacturing this also using.

**TABLE 2.** Frequencies Statistics

		<b>Nonmetal mineral product industry</b>	<b>General equipment manufacturing</b>	<b>Mining and washing of coal</b>	<b>Textile industry</b>	<b>Food manufacturing industry</b>	<b>Special equipment manufacturing</b>
N	Valid	25	25	25	25	25	25
	Missing	0	0	0	0	0	0
Mean		2.88	3.08	2.72	3.00	3.04	2.84
Median		3.00	3.00	3.00	3.00	3.00	3.00
Mode		3	5	1	5	3	1 <sup>a</sup>
Std. Deviation		1.236	1.525	1.458	1.528	1.428	1.491
Variance		1.527	2.327	2.127	2.333	2.040	2.223
Skewness		.390	.007	.269	.152	.204	.133
Std. Error of Skewness		.464	.464	.464	.464	.464	.464
Kurtosis		-.530	-1.461	-1.267	-1.449	-1.120	-1.293
Std. Error of Kurtosis		.902	.902	.902	.902	.902	.902
Range		4	4	4	4	4	4
Minimum		1	1	1	1	1	1
Maximum		5	5	5	5	5	5
Sum		72	77	68	75	76	71
Percentiles	25	2.00	2.00	1.00	2.00	2.00	1.00
	50	3.00	3.00	3.00	3.00	3.00	3.00
	75	3.50	5.00	4.00	5.00	5.00	4.00
a. Multiple modes exist. The smallest value is shown							

Table 2 Show the Frequency Statistics in Environmental science and pollution Nonmetal mineral product industry, General equipment manufacturing, Mining and washing of coal, Textile industry, Food manufacturing industry, Special equipment manufacturing curve values are given.

**TABLE 3.** Reliability Statistics

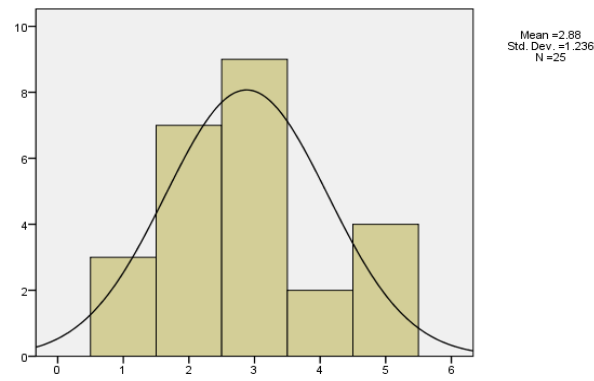
<b>Cronbach's Alpha Based on Standardized Items</b>	<b>N of Items</b>
.861	6

Table 3 shows the Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is . 865 which indicates 86% reliability. From the literature review, the above 86% Cronbach's Alpha value model can be considered for analysis.

**TABLE 4.** Reliability Statistic individual

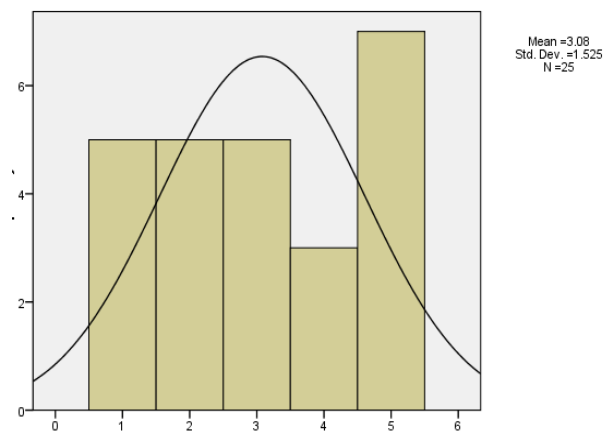
	<b>Cronbach's Alpha if Item Deleted</b>
Nonmetal mineral product industry	.881
General equipment manufacturing	.840
Mining and washing of coal	.817
Textile industry	.822
Food manufacturing industry	.831
Special equipment manufacturing	.851

Table 4 Shows the Reliability Statistic individual parameter Cronbach's Alpha Reliability results. The Cronbach's Alpha value for Nonmetal mineral product industry- .881, General equipment manufacturing- .840, Mining and washing of coal- .817, Textile industry- .822, Food manufacturing industry- .831, Special equipment manufacturing -.851This indicates all the parameter can be considered for analysis.



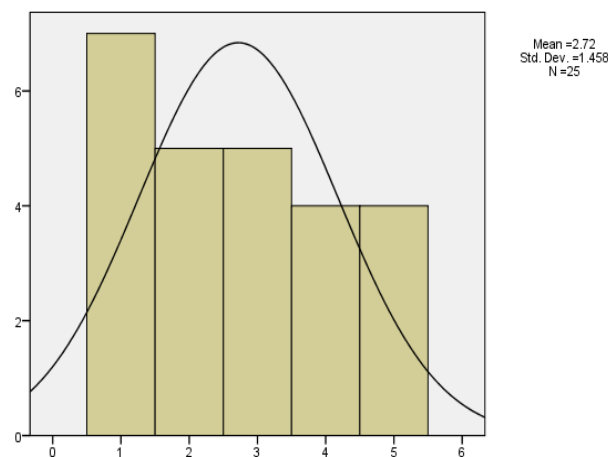
**FIGURE 1.** Nonmetal mineral product industry

Figure 1 shows the histogram plot for Nonmetal mineral product industry from the figure it is clearly seen that the data are slightly Right skewed due to more respondent chosen 3 for Nonmetal mineral product industry except the 2 value all other values are under the normal curve shows model is significantly following normal distribution.



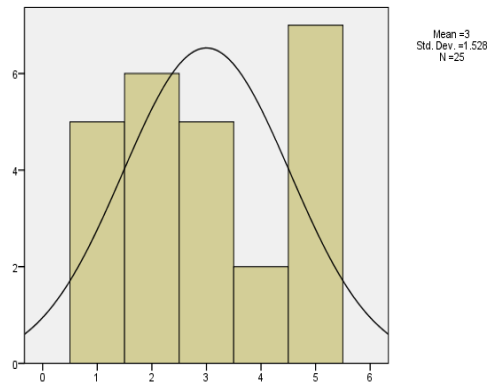
**FIGURE 2.** General equipment manufacturing

Figure 2 shows the histogram plot for General equipment manufacturing from the figure it is clearly seen that the data are slightly Right skewed due to more respondent chosen 5 for General equipment manufacturing except the 2 value all other values are under the normal curve shows model is significantly following normal distribution.



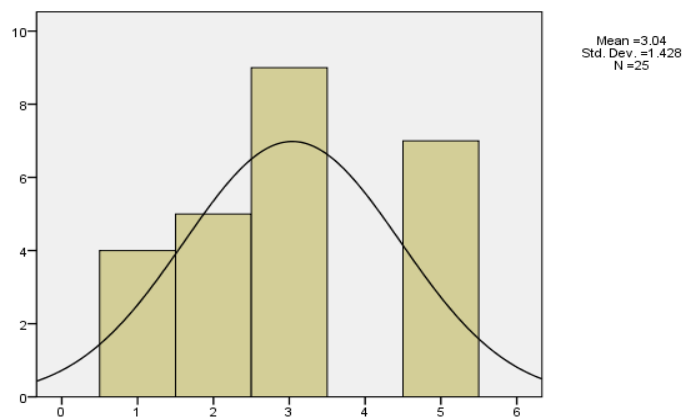
**FIGURE 3.** Mining and washing of coal

Figure 3 shows the histogram plot for Mining and washing of coal from the figure it is clearly seen that the data are slightly Left skewed due to more respondent chosen 1 for Mining and washing of coal except the 3 value all other values are under the normal curve shows model is significantly following normal distribution.



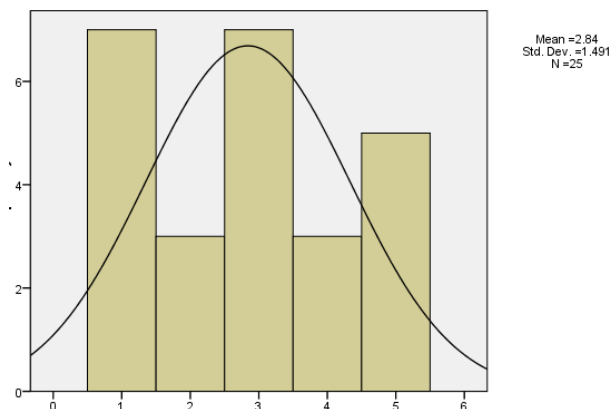
**FIGURE 4.** Textile industry

Figure 4 shows the histogram plot for Textile industry from the figure it is clearly seen that the data are slightly Right skewed due to more respondent chosen 5 for Textile industry except the 4 value all other values are under the normal curve shows model is significantly following normal distribution.



**FIGURE 5.** Food manufacturing industry

Figure 5 shows the histogram plot for Food manufacturing industry from the figure it is clearly seen that the data are slightly Right skewed due to more respondent chosen 3 for Food manufacturing industry except the 3 value all other values are under the normal curve shows model is significantly following normal distribution



**FIGURE 6.** Special equipment manufacturing

Figure 6 shows the histogram plot for Special equipment manufacturing from the figure it is clearly seen that the data are slightly Right skewed due to more respondent chosen 1,3 for Special equipment manufacturing except the 2 value all other values are under the normal curve shows model is significantly following normal distribution.

**TABLE 5.** Correlations

	Nonmetal mineral product industry	General equipment manufacturing	Mining and washing of coal	Textile industry	Food manufacturing industry	Special equipment manufacturing
Nonmetal mineral product industry	1	0.271	0.351	0.353	0.263	.419*
General equipment manufacturing	0.271	1	.629**	.662**	.553**	.464*
Mining and washing of coal	0.351	.629**	1	.729**	.726**	.553**
Textile industry	0.353	.662**	.729**	1	.688**	.457*
Food manufacturing industry	0.263	.553**	.726**	.688**	1	.512**
Special equipment manufacturing	.419*	.464*	.553**	.457*	.512**	1

Table 5 shows the correlation between motivation parameters for Non-metal mineral product industry for Special equipment manufacturing is having highest correlation with Food manufacturing industry and having lowest correlation. Next the correlation between motivation parameters for General equipment manufacturing for Textile industry is having highest correlation with Non-metal mineral product industry and having lowest correlation. Next the correlation between motivation parameters for Mining and washing of coal for Food manufacturing industry is having highest correlation with Non-metal mineral product industry and having lowest correlation. Next the correlation between motivation parameters for Textile industry for Mining and washing of coal is having highest correlation with Non-metal mineral product industry and having lowest correlation. Next the correlation between motivation parameters for Food manufacturing industry for Mining and washing of coal is having highest correlation with Non-metal mineral product industry and having lowest correlation. Next the correlation between motivation parameters for Special equipment manufacturing for Mining and washing of coal is having highest correlation with Non-metal mineral product industry and having lowest correlation.

### Conclusion

Environmentally hazardous materials are pollution. These dangerous substances are called pollutants. Contaminants together with volcanic ash can be herbal. They also can be created by means of human activities inclusive of garbage or waste produced by way of factories. Pollution damages air, water, and land nice, and whilst you study environmental science, you're dedicated to gaining knowledge of about topics like knowledge Earth techniques, comparing alternative electricity assets, the outcomes of climate change, and controlling pollutants. Environmental Science and Pollution Research (ESPR) focus on chemical compounds in all areas of environmental science and related subjects to the international community. It reports from a broad interdisciplinary perspective. Environmental excellent and sustainable eco-monetary development (Destek and Sarkodie 2019). The growth in energy consumption due to CO<sub>2</sub> emissions is a relevant resource in making sure that financial growth is linked to high levels of CO<sub>2</sub> emissions that are dangerous to human fitness and the surroundings. However, carbon intensity in developing international locations has hindered their warfare within the direction of economic increase, thereby recognizing the need for industrial economies to heighten monetary programs to mitigate worldwide warming caused in large part via their efforts Non-metallic minerals, for example, Sand, gravel, limestone, Clay and marble Such products do not have metal housings, which is good Electrical and thermal conductivity, luster, hardness and compatibility include; However They are essential for many industries. Non-steel mineral industries have many stuff in not unusual, which include the uncooked substances they use and the health and protection issues they face. General equipment and machinery manufacturing industry is defined as follows: "Manufacturing of equipment widely used in prime movers, fluid transfer equipment, pumps, compressors, stopcock, valve, mechanical transmission equipment, transmission machinery equipment, office machinery equipment, pollution prevention. Manufacturing equipment" is a specific It is defined as "owned, equipped or provided for the purpose". Basically, production equipment supports the activity of producing goods sold by the company. Coal washing is the attention of combustible substances in coal via eliminating non-flammable impurities the use of business separators based totally on the unique gravity of the coal and the separation of associated impurities along with shale, sand and stones. Target client. Float-sink tests are accomplished on samples of coal from beds that require washing (use, guidance) to cast off sulfur or ash (rock and mineral count number) from the coal to satisfy the stop consumer's favored specs Image Conclusion for Textile Industry The textile industry mainly produces yarn, cloth and Design, manufacture and distribution of garments Concerned about. The raw material is chemical Naturally using industrial products or it could be artificial. Fibers, yarns, fabric construction and finishing and designing [of garments] are the various components of textile production. Plant based. Industries in the food production subsector convert cattle and agricultural merchandise into products for intermediate or final intake. Industry agencies are prominent by using the raw materials



(commonly of animal or vegetable beginning) processed into meals merchandise. The meals and beverage manufacturing industry sincerely includes More than 30 specialty industries. Special purpose equipment is system Studies, Medicine, Science or other for technical purposes only is used. Examples unique reason device are units and Spectrometers. See Microscopes, X-ray machines surgical additionally two hundred.33 Equipment and two hundred. 48 General purpose equipment. Production device is described as "owned, outfitted or supplied for a particular reason". Essentially manufacturing gadget supports the hobby of manufacturing goods sold with the aid of the corporation. SPSS through Basics of SPSS of students using the publications Introductory Statistics and Research Methods strategies the use of step-via-step explanations affords statistical strategies and methods for undertaking Statistical analysis, and statistics All common in the analysis How to avoid defects Explains that in elements. Statistical mineral product industry, General equipment manufacturing, Mining and washing of coal, Textile industry, Food manufacturing industry, Special equipment manufacturing The Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is. 865 which indicates 86% reliability. From the literature review, the above 50% Cronbach's Alpha value model can be considered for analysis.

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