A Hermeneutic Approach to the Problem of Illusion in Sense Perception

Uche S. Odozor & Emmanuel O. Akintona
http://dx.doi.org/10.4314/ujah.v20i1.4

Abstract
This paper is a hermeneutic exposition of the problem of illusion in sense perception, using the methods of critical and content analysis as tool of engagement. For decades, post-modern epistemology was steeped in the murky waters of the brilliant, sceptic argument from illusion, according to which the senses could not be relied upon for knowledge of the external world of reality, due to problems believed to be inherent in sensory perception. Why was the argument from illusion so important to epistemologists as to elicit enormous interest for such a long time? What are the implications of the argument for science? Did the argument from illusion portend any real danger for the foundations of empirical knowledge claims, as supposed by many frontline epistemologists? Exploring the concept and science of perceptual illusion, and the implications of the argument from illusion for science and epistemology, the paper found that the argument failed as a refutation of direct realism because it views illusion as the norm rather than an exception, and portrays human knowing process as an automatic, rather than a procedural, gradual phenomenon.

Keywords: Argument from Illusion, Empiricism, Epistemology, Science, Scepticism
Introduction
This paper is a hermeneutic exposition of the problem of illusion in sense experience, or sensory perception. In epistemology, this problem is traditionally posed as challenge to common sense realism, the belief that objects of experience are directly or immediately accessible to the senses in perception. This belief formed the basis of the submission of 17th century empiricism that the senses, prior to and independent of reason, are the valid means of acquiring knowledge and truth about objective reality (Hamlyn, 1967). Contrary to this assumption, however, it has been argued, according to Crane and French (2016, p.6), that “if illusions and hallucinations are possible, then perception, as we ordinarily understand it, is impossible.” The possibility of illusion and hallucination in human perceptual experience apparently makes it doubtful that the senses convey to the intellect what the outside world actually presents to them. This paper subjected the sceptical position to a critical analysis and found that it is invalidated by two main factors: the first is that illusions are not the norm, but only the exception, in human perception; and the second is that human knowledge is a gradual and procedural phenomenon, rather than an instant, magical attainment of perfect comprehension of reality.

Continental Rationalism vs. British Empiricism
Rationalism, in the 17th century context, is the philosophical system according to which reason is the primary means by which the human mind attains knowledge of reality, prior to, and independent of, sense experience (Hamlyn, 1967). To buttress this position, the theory that ideas are “innate” to the human mind or intellect was advanced (Stroll & Martinich, 2017). In Theaetetus, Plato claimed that sense experience has a fleeting character, as the things apprehended by it are subject to change. As a result, it
cannot be the source of knowledge; rather, knowledge is recollection of insights already accumulated in the intellect in previous existence. Plato’s views were rejected by Aristotle, in favour of the notion of *tabula rasa* (‘unscribed tablet’), which views the intellect as being originally a clean slate, until different aspects of human experience are gradually registered on it (*De Anima*, iii, 4). Thomas Aquinas, in Medieval European philosophy, substantively followed Aristotle on this notion (*Summa Theologiae I*, q.84; art.3).

Seventeenth century Rationalism was championed by Rene Descartes, who sought a system in which the scientific explanation of nature would be in agreement with a solidly built philosophy. Arguing from the conscious “self,” Descartes proceeded to the reconstruction of all that can be known. Only “clear and distinct” ideas which are innate (prior to experience) find in their internal evidence the sign of their value (Descartes, 1997, p.176ff.; Raeymaker, 1962, p.20). Descartes recognised two kinds of substances: thought, which is the substance of the conscious self; and extension, which, with its modes of figure and movement, constitutes the reality of the material world. Baruch de Spinoza carried out a systematic arrangement of principles and axioms, with the aim of explaining reality the way geometry explains the relations and movements between different aspects of the material world. If every definition or clear and distinct idea is true, then it follows that a complete and systematic arrangement of true ideas will give us a true picture of reality, for “the order and connection of ideas is the same as the order and connection of things” (cited in Stumpf, 1994, p.249). Gottfried Leibniz distinguished between the ideas of perception and those of reason, or the understanding; between the truth of reason (necessary truth) and truth of fact (contingent truth). According to him, our conceptions do not come
from external senses because the conceptions which I have of myself, of my thought, being, substance, action, identity, and the like, come from inner introspection, or reason (Hamlyn, 1967). No monad can be affected by anything external to it; but we nevertheless have knowledge of external things, because the mind is so constituted as to reflect ideas of external reality.

The British empiricists of the 17th century were opposed to rationalism in the latter’s views concerning the source of true knowledge. John Locke, for example, argued that there are no innate ideas; rather, the intellect is like “white paper” from inception (Essay Concerning Human Understanding, Book II; Chapt. 1, 2). There are only data of experience, which are either external (as in sensations), or internal (as in reflection, perception, belief, doubt and ideas which flow from the data). Ideas are whatever the mind attends to, or is aware of; and they are either simple or complex (Tipton, 1996; Stroll & Martinich, 2017). The former are passively received, individuated or immediate content of a perception, while the latter are combinations of the former and include abstract ideas, such as universals. For George Berkeley (1710/2017, p.11), “To exist is to be perceived.” That is, whatever exists consists in an idea in the mind. Physical things, such as stone, table, house, and people, are orderly collections of mind-dependent ideas. David Hume took it for granted that knowledge is limited to sense experience; more precisely, to perceptions whose contents are basically sense-data (A Treatise of Human Nature, Book I). Perceptions are subdivided into “impressions”, which are vivid original perceptions, and “ideas”, which are less vivid copies of impressions (Jacobson, 1996, p.124). Without impressions, there can be no ideas, whether of things or of the world, as distinct from our impressions of them. That impressions are prior to ideas is clear from the simple fact that a man born blind has no idea of
colours, having never had such impressions before. Any knowledge of something beyond our sense impressions is the consequence of speculative reasoning from immediate sense impressions to their supposed sources. Immanuel Kant notably distinguished between ‘nuomena’ and ‘phenomena’—that is, things in themselves and things as perceived by the percipient. He posited that we can only know the latter, not the former (Allison, 1995, p.435).

**Illusion: Instances and Causes**

Illusion is, according to Smith (2002, p.23): “any perceptual situation in which a physical object is actually perceived, but in which that object perceptually appears other than it really is.” Thus, despite the above submissions of the empiricists, there are instances of sensory perception which present distorted or false impressions to the perceiving subject. Under such circumstances, what is actually perceived fails to accurately represent the object stimulating the sense organs. Here, illusion is defined in terms of a perception that does not agree with the stimulus impinging on a sense organ because, taken by itself, the stimulus is often an ambiguous sign of what is present in the scene (Rock, 1977). If perception is considered to be the result of the principles of brain function, which are based on the sensory information available, it is plausible to suppose that these functions will not always lead to correct perceptions. Whenever they do not, we have illusions. As accounts of reality in science get ever more separated from appearances, to say that this separation is illusion would have the absurd implication that almost all perceptions are illusory. Thus, it seems better to view illusion as a systematic discrepancy between sensation and actual reality.

There are two kinds of illusion: those with a physical cause,
and cognitive illusion, which are due to the misapplication of knowledge (Gregory, 1997). Although these two types have extremely different kinds of causes, they can produce some surprisingly similar phenomena such as distortions of length or curvature (Millar, 2015). Illusions due to the illumination, between objects and the eyes, are different from illusions due to sensory signals of the eyes. Though both are classifiable as physical, they radically differ from cognitive illusions, which are due to (misapplied) knowledge employed by the brain to interpret or read sensory signals. These can be misleading in unusual conditions, but can be revealed by observation and experiment. Examples include seeing a grainy texture as wood, though it is a plastic imitation, or just a picture; a hollow mask, which is actually concave, is perceived as convex because faces are rarely hollow in reality and because the perceptual hypothesis of a face carries the not always true belief that faces are convex (Gregory, 1997). This is caused by clever lighting and rotation of the mask.

Philosophers also distinguish between illusions *par excellence*, and illusions due to “relativity of perceptions” and hallucinations (Hirst, 1967, p.131). The first class of illusions occurs in actual cases of illusion such as optical illusions; for example, the Muller-Lyer instance in which two lines of equal length appear unequal due to slight variation of features; mirages, mirror effects and magic tricks. The perception of motion introduces other illusory experiences, such as motion pictures at a cinema, where a rapid succession of slightly different still pictures creates the impression that persons in the pictures are actually moving. Also, the wheels of a speeding vehicle, although propelling the vehicle forward, seem to move in the opposite direction themselves.

On the other hand, illusions due to relativity of perception
are largely due to the position, perspective or distance of the perceiving subject. For example, a round plate, when tilted, appears elliptical in shape; the same water may feel cold or warm to two different persons. Again, a pair of coloured spectacles turns one’s visual field into the same colour; and, depending on what one has been eating, the same wine may taste sweet, bitter, or dry. The pitch of a car’s horn changes as the car rushes past, though the same pitch is maintained in that duration; sometimes, watching a moving vehicle from inside another motionless vehicle creates the erroneous impression that one’s own vehicle is moving when it is actually stationary.

There are other cases of illusions which cannot be properly categorised. A finger placed in front of the perceiver gets doubled as she gazes beyond it (Pryor, 2002). Finally, a pen held between the index finger and the middle finger gives the impression of only one pen; but when the fingers are crossed, one has a feeling of holding two pens, instead of one (Kagan and Segal, 1992). Illusions can also result from physical laws, such as that produced by a partially submerged stick. They can have psychological causes, as well, such as the illusion of control, wherein a man feels good by believing that things are under his control when, in fact, they are not. Illusions can be passive and so, distinguishable from active illusions that are explained by the subject’s expectant attention, distraction, or emotion (Siwek, 1967; Seckel, 2000). Common to all these cases is perceptual error; a distorted perception of a real object. Illusions are, therefore, akin to things not being what they seem to the senses.

Finally, illusions are carefully distinguished from hallucinations by scholars due to the conflation prevailing in pedestrian discussions of non-veridical perception (Macpherson & Batty, 2016). In perceptual illusions, a person experiences some
tangible object out there in the world, but their sensory organs give
them some inaccurate representation of one or two properties of
the object, such as its colour, shape, size, taste or smell. For
example, a person sees a blue car in his visual field, but perceives
(or misperceives) it to be purple in colour, based on experience; or
she sees a Toyota car but misjudges it as a Nissan product, not out
of ignorance of the difference between the two brands, but because
of being misled by the senses. In hallucinations, on the other hand,
a person perceives a car that is not physically present, at least,
within their field of vision; a person ‘feels’ an amputated limb, or
‘sees’ the face of a long-dead or far-removed friend, or relative.
Further examples include dreams, phantoms, or mirages, and when
a drunk claims to perceive an object that is not there, and yet which
is big as an elephant to him. Illusions and hallucinations are
important in epistemology and science of perception because they
constitute relative proof that sensory perceptions are not as
sacrosanct as they ordinarily appear to be; for example, according
to Seckel (2000, p.6), “they … reveal the hidden constraints of the
visual system in a way that normal vision does not.” Since the
argument from illusion is the focus of this discussion, illusions
shall be the central concern, with passing references to
hallucinations when necessary.

The Sceptical Argument from Illusion
A fundamental epistemological concern raised by philosophers,
therefore, hinges on sense perception and the fact of illusion
(Crane, 2011). The problem, as we shall see presently, centers on
the question of the extent to which perception can furnish true and
direct knowledge of the external world. Due to the fact that errors
of perception can constitute hindrance to genuine knowledge,
psychologists and other scholars of perceptual science believe that
illusions are very important towards the investigation of cognitive processes, such as vision (Gregory, 1997). So, the question naturally arises: If the senses are prone to mislead, as is clear from all the above instances of illusory perception, and given that scientific knowledge depends on certainty and exactitude, to what extent can we legitimately lay claim to knowledge of external reality, going strictly by the senses? How do we recognise the present without confusion from the past? In other words, how can we tell the difference between one situation in which there is illusion and another of veridical experience of objective reality? Even if there are cases when we clearly are not under illusion, the fact that there are cases in which illusions are afoot in human perceptual experience seems to create a serious problem for the empiricist account of knowledge. The additional problem that we are even unaware of being misled by the senses further diminishes our ability to make the distinction between illusion and reality. Dancy (1995, p.421) describes this state as one in which:

[G]enuine awareness of a world may be indistinguishable from one which is a mere appearance. [Thus,] one cannot tell from the phenomenology of one’s awareness which it is – an illusion or awareness of an external reality.

Take the case of dreams, which are a typical example of hallucination, for example. Although some people claim to know when they are dreaming, there is very little doubt that most dream experiences, particularly if the sleep is deep enough, often portend no practical difference for the percipient from real life or wakefulness.

Russell (1912) and Ayer (1940) were leading contenders for the argument from illusion, while Austin (1962) was its renowned critic, although Austin is sometimes thought to have substantively misrepresented Ayer’s brilliant scepticism in this
regard. The main aim of the argument from illusion is to show that the senses are not reliable, and that perception is not correct and certain awareness of the real properties of material objects, but only that of appearances (Dancy, 1995; Crane, 2011; Akintona, 2015). Various conclusions can be drawn from this. The first is that for knowledge that is certain, we must rely not on the senses but on some other faculty, such as intellectual intuition (*pace* Descartes); another is that we must abandon common-sense realism (Hirst, 1967; Smith, 2002). Using the case of the stick submerged in water as illustration, the argument from illusion may be systematically outlined as follows (Pryor, 2002, par.10):

1. The stick appears bent.
2. So, there is some bent shape in my visual field, which I am aware of.
3. But the real stick I am looking at out there in the physical world is not actually bent. It is in fact straight. (And if I were hallucinating a bent stick, there would not be any real object I am seeing).
4. So the bent shape I am aware of cannot be identical to the real stick (due to this difference). The bent shape is not a physical object. It is something mental called my ‘sense-datum’ of the real stick.
5. In cases of illusion and so on, what we are directly aware of are not real physical objects, but only the sense-data or appearances those objects produce in us (such as an after-image).
6. From the inside, cases of veridical perception seem to be just like cases of illusion or hallucination.
7. Therefore, what we are directly aware of in cases of veridical perception must also be sense-data. If what we were directly aware of in one case were things in our mind, and in the other
case, were physical objects in the external world, then we would have been able to notice there is some difference.

The first stage of this argument (premises 1-4 above) tries to show that in all cases of illusion, there are things called sense-data that really have the properties that external objects seem to us to have, and that are what we are directly aware of. The second stage (premises 5 to the conclusion) extends this result to cases of veridical perception as well. On this sense datum theory of perception, the question arises: “given that we are only acquainted with sense data in perception, how could perception justify beliefs about external objects?” (Speaks, 2004, p.5) So, if we believe in these sense-data, they will be things we can know about in every case of perception, regardless of how favourable the external conditions of perception are, or are known to be. This gives us the following summarised proposal:

If you perceive $x$ as F, and you have reason to believe that the perceptual conditions are currently ‘normal’ or favourable, and $x$ is really F, only then are you in a position to know that $x$ is F (Pryor, 2002, par.10).

Here, a further problem arises concerning how you can ascertain that your perceptual conditions are currently normal. To say that you are certain because you perceived them to be normal would only beg the question. Based on this proposal, the sceptic concludes that we cannot know anything on the basis of perception, unless we have independent reasons (that is, independent of perception) for believing that our perceptual conditions are normal. Yet, how are we to know that, if not by perception?

Attempts to explain away illusions include the eye-movement theory based on the realisation that impression of length
seems to be based upon scanning a figure by moving the eye from one end to another. If the eyes take a greater scanning movement, they tend to perceive that particular instance as longer or lengthier. An example is the Muller-Lyer illusion. But this explanation is faulted by the fact that even a split second view of these two figures produces the same impression. Another example is the Gestalt theory, which is based on the principle that particular impressions are largely determined by other features of the visual field, as well. For instance, when a gray colour is surrounded by black, in one case, and white, in another case, it seems much lighter in the first case, but much darker in the other; whereas it is the same gray. This theory has been criticised for being too general to explain the specific effects obtained in most cases of illusion, such as Herring’s illusion, where two horizontal and perpendicular lines appear curved to an onlooker.

**Critical Implications for Science and Epistemology**

Confronted with this apparently water-tight argument, one might be tempted to conclude, or, at least accept, that the sceptic is right: that we really do not know the things we thought we knew. Yet the argument from illusion is dotted with some deep-seated problems, especially as considered from the point of view of current knowledge in the science of consciousness. Albeit, preliminary observation here is that technology is simply the implementation of scientific commonsense. It is the (successful) application of scientific knowledge. Based on this simple observation, it can only be evident that the extremist claim of the sceptic that human knowledge is illusory contradicts common sense by ignoring the innumerable cases in which knowledge has been successfully applied under purely natural circumstances in order to resolve long-standing problems of the human condition. To wit, the fact of
technology is a simple, clear indication that humans are under no absolute illusion, even if the compelling philosophical argument with which to match the sophistry of the sceptic were lacking. Also, further proof that perception is not always illusory is, as Bruno (2012, p.44) noted, “its adaptive function of providing us with a behaviourally useful representation of the external environment.” The kind of organised societies in which humans live, and aspire to live, lends credence to the fact that we are not under illusion in any absolute sense. These examples are, in effect, why the argument from illusion failed to impress some inner-chamber epistemologists (Phillips, 2013).

To be adequately forceful against empiricism, the argument from illusion apparently needs to include the claim, or at least the assumption, that humans are abjectly ignorant of being under illusion in every case of sensory perception. If it so much as concedes that there is such a thing as veridical perception, in virtue of which humans are sometimes free from illusion, then it would not be controversial at all. As such, its tour de force lies in the claim that there is no direct means of distinguishing between veridical and illusory perceptual experiences. Since the time of ancient Greek thinkers, questions of how genuine knowledge comes about in humans have been of deep interest in philosophy. Also, largely due to its empirical nature and its reliance on the a posteriori methods of inquiry, science is notable for its deeply entrenched concern with knowledge derived from experience, without which scientific inquiry would be inconceivable. Thus, the argument from illusion was of crucial interest to philosophers and scientists because it posed a critical challenge to the image of science as the “paradigm of institutionalized rationality” (Newton-Smith, 2003, p.1). The sceptic position commits one to viewing the world as a place where no one can distinguish between
hallucinatory states and actual states, thus rendering all scientific knowledge dubious, and making it most absurd that certain persons are categorised as ‘schizophrenic’ when, in fact, all humanity is guilty.

Albeit, the argument from illusion totally relies on the sense-datum theory, which equates illusions and objective reality and their perceptions to sense-data or mental objects (constructs), thereby suggesting that illusions are not different from veridical perceptions (Ayer, 1940). In this way, it subtly assumes that the sense-datum theory is true (Akintona, 2015). Unfortunately, this theory has been under intense controversy among frontline epistemologists from the onset, as a result of which it has been steadily modified. Thus, for obvious reasons, it has lost much of its earlier attraction and cogency in the course of the debate. First, sense-data seem to possess spatial properties, but their actual location is not obvious; and since they cannot be located in physical space, are they to be conceived as existing in a “mental space”? Second, since, according to the sense-datum theory, sense-data is to be equated to objective reality and an elephant is perceived to be very big and heavy, does that mean that the sense-datum of an elephant is also that big? Third, what is the relationship between these sense-data and the brain, which is the medium of their interpretation? Are they part of the brain, or produced by it? Does not this theory commit one to some kind of mind/body dualism? Again, how can my sense-datum be as big as an elephant if it is part of my brain or myself, none of which is as big as an elephant? Thus, in positing the idea of sense-data, the argument from illusion created bigger problems than it set out to solve.

When it comes to the process of human knowledge and the endeavour to know, illusions are an exception rather than the rule.
Illusions are, as Bruno (2012, p.44) has tactfully put it, “perceptual and stimulus inconsistency.” In other words, they are problems; and, as do all problems, they arise only when there is discrepancy between expectation and actual state of affairs, for which solution can only be sought. Human knowledge proceeds normally as it should until a discrepancy arises to create stop-gap (Seckel, 2000). But the argument from illusion impresses one otherwise, making illusions the norm, rather than the exception to the rule. This conflation is, again, misleading and contrary to experience, as Kurt Koffka, the Gestalt psychologist, once observed:

The world is not such a grotesque nightmare ... as a rule, things are what they look like, or otherwise expressed, their looks tell us what to do with them ... . Why is it that our behaviour, directed as it is by objects in the behavioural environment, is, as a rule, also adapted to objects in the geographical environment? (Cited in Bruno, 2012, 58)

In fact, hallucinations generally occur in very special circumstances, when the victim is suffering from high fever, drunkenness, drugs, starvation, religious ecstasy, or downright madness. Even mescaline hallucinations do not always impair the mental powers of victims, who are, sometimes, able to recognise being under its influence. The sceptic argument assumes that things always appear other than they actually are; or that things can only be other than they look. But one may deny this assumption and, instead, simply insist that one is actually seeing a round plate that merely appears elliptical from one’s present position. Treating appearance as reality as though the former were an individuated, ontological category is, for Austin (1962), part of the causes of the confusion engendered by the sceptic challenge to the validity of human knowledge. Moreover, Gregory (1997, p.133) also aptly
noted that “appearance refers to how things are presented to the senses, not to some other object as distinct from the original object.”

In meeting the sceptic challenge, one may not only point to the comparative rarity of illusion, but also to the efficacy of the various tests that can be carried out to remove doubt. For instance, we can use one sense to complement another for better perceptive accuracy. A wax fruit that looks real can be revealed by the application of the senses of touch, taste, and smell. Measurement can settle any doubt on the real size, shape, or weight, of an object, just as memory and sight can show that a phantom limb does not exist. Proof for the relative reliability of perception can be aided by photographing; if it is doubted that an object appears in a certain way, we can take a photograph of it so that others can confirm that the picture copies the object, or something else. Quite fundamentally, attitudes and instructions on how to view illusions have been found to have positive effect on illusions, which have tended to decrease with practice at overcoming them. This is thought to be a function of repeated exposure, which in turn, may be the result of changing attitudes, or of physiological “fatigue” effects. The fact that there are illusions makes it clear that perception is not merely a matter of interpreting sensory information on the basis of knowledge already possessed; for illusions generally occur despite knowledge of the contrary. Although these approaches would greatly reduce illusion, the sceptic might insist that it is not absolutely certain. Yet it is both logically absurd and intuitively impossible that we suffer from hallucination all the time; for if no perception is certain, and there is no way of distinguishing illusion from veridical perception, then the world would be impossible to deal with intellectually. As Hirst (1967) has suggested, to say that even well-tested perceptions are
only probable is to collapse the distinction between certainty and probability.

The sceptic relies on a vague notion of *certainty*; there is no reason to suppose that ordinary perceptions are uncertain in the same way as future outcomes, or results, are uncertain (for instance, next year’s weather, or a football tournament result). The fact that humans are aware of the possibility of illusion; the fact that there is something called illusion and, in fact, that we are having this debate on illusion, casts a huge shadow of doubt on the cogency of the argument from illusion. It means that, at least, we recognise that there is a problem (called illusion). Most importantly, it implies that this is not the way things always are in real life, since problems arise only if (and when) there is discrepancy, as was noted earlier. If all this is true, then, clearly, illusion cannot be the way things generally are in the world; and this is a major step away from abject ignorance of the possibility of illusion, on which the argument from illusion relies. With this knowledge, we are only poised to deal with the problem.

The argument from illusion tacitly assumes that human beings do not learn from experience, and, in fact, that they are hopelessly incapable of doing so. However, due to the awareness of the possibility of illusion based on past experience, humans are capable of suspending judgment until investigation is finalised. If one learns that one had really been under an illusion, why would one accept that situation and continue in error, fully aware of the delusion? To use the example of the stick partially submerged in water: why would one jettison the fact that the stick is actually not bent at all, and rather settle with the illusion that it is bent, just because it appears so while submerged in water? After all, one is amply capable of removing it from the water, in order to assure myself and others that it is, in fact, not bent at all, following which
even the most naïve onlooker would agree that the bent appearance of the stick must have something to do with the water medium in which it is partly submerged. Thus, fortunately, humans are capable of learning about illusions and correcting them for better future perceptual experience. This is, in fact, human nature. Even when under illusion, humans are capable of eventually arriving at the veridical situation of outer reality and rebuilding their entire belief system based on the new eventuality. The enterprise of science has the core objective of guiding human knowledge through trial and error and then retrial, in a way that is, at least, reasonably objective.

Knowledge is procedural rather than automatic, contrary to the impression created by the sceptic, whose position, according to Smith (2002, p.25), is summarised in the following claim:

Since the wall is white, not yellow, but what we are immediately aware of is yellow, not white, what we are immediately aware of cannot be the wall. This third step is but an application of Leibniz’s Law to illusory situations.

If you look at an object from a distance and perceive it as a yellow board at first, why would you simply settle for that initial impression, knowing (from experience) that error is always a possibility? Why would you stop there when there is freedom and possibility of moving closer and eventually discovering that you had actually been looking at a white wall, rather than some illusive yellow board? When we are not clear about a phenomenon unfolding before us, we naturally tend to move closer so as to get a clearer view and be sure of what is going on. Thus, illusion generally happens when we fail to take a closer look. This is how human knowledge develops in reality. But the sceptic would contrive things to seem that humans simply run with whatever impression their visual field throws at them at first glance. Human
knowledge is gradual and procedural, not a one-fell-swoop phenomenon that requires no progress, or development.

There is such a thing as perspective, or point of view, from which individual and independent perceiving subjects can legitimately report what they perceive, even though perceptual error may be apparent. For example, two or three individuals may report different perceptual experiences from their diverse perspectives, all the while knowing that only one, or none, of these perfectly represents the perceived object. They all know that the object being viewed is actually white in colour, but due to the different light intensities, they perceive different colours from their respective vantage points. And when they trade positions, each reports exactly what the last person occupying the position reported. In this guise, each particular report can be both correct and incorrect at the same time; “correct” in the sense that they are right in reporting that the object—which is actually white in colour—appears yellow to them from a particular perspective, as anyone who assumes that particular position would also report the same perceptual content, under normal circumstances. But, again, their report is, at the same time, incorrect, due to the fact that it falls short of the actual state of the object being viewed, reporting it as yellow, though it is actually white. Yet no one is under any illusion about the actual colour under observation.

Whatever validity there is in the argument from illusion is seriously challenged by the successful application of human knowledge and logic, as well as the giant strides being recorded in different areas of human inquiry. In natural science, for example, no knowledge is worth the name unless it is subjected to critical analysis, tested over and over, and duly confirmed, before being accepted as basis for further inquiry. This means that there is no such thing as absolute knowledge in science; rather, current
knowledge is always in a flux, as new insight and evidence come to light, thereby forcing us to modify, revise and update existing knowledge. If the insinuations of the argument from illusion were true, then even science itself would be a fruitless exertion. However, science has at least one merit: inherent determination to reduce illusion to the barest manageable minimum, so as to guide the intellect to the attainment of knowledge. Truly, there are many things we do not yet fully comprehend about reality. But the passing of each day marks some progress in that direction; and the little we do know makes sense and has, hitherto, enabled us to cope with the world around us, at least, as and to the extent that we have come to know it.

The argument from illusion is imbued with the fallacy of “converse accident”; the temptation to conclude, in a sweeping generalisation, that all aspects of reality are in a certain way based on few observed instances of a given phenomenon (Copi & Cohen, 1994:210; Odozor, 2015, 149). If, as noted earlier, it is conceivable that humans are capable of coming out of illusion, or of being under no illusion sometimes, then the argument from illusion constitutes an illogical move from single instances (of illusion) to the universal declaration that all purported human knowledge is illusory; a move akin to Schönbaumsfeld’s (2019, p.261) notion of “local envatment” that scarcely leads logically to “global scepticism”. The fact that we are sometimes wrong in our perceptual experience does not entail that we are always wrong therein; rather, it conceptually precludes the absolute universalisation of illusory experience associated with the argument from illusion (Schönbaumsfeld, 2017). Every sceptical argument of this nature proceeds from prima facie reasonable premises to the absurd conclusion that we know nothing for certain; but this indicates that one of the premises is false, or, at
least, improbable. It may, thus, be better to locate and reject that premise. In any case, the fact that an argument is valid does not suffice to establish the fact that it is sound. It only establishes a logical connection between the premises and the conclusion. To this end, the sceptical conclusion can be construed as *reductio ad absurdum* of its premises. In other words, it reduces its premises to absurdity in light of actual experience. Human intellectual history is itself ample demonstration of how untenable it is to suppose that knowledge of the physical world—at least, as we have come to understand and live it—is impossible.

It is noteworthy that the mental processes responsible for perception are not themselves conscious or directly observable. If they were, we would, as Rock (1977) hinted, have been able to explain our illusory experiences. Strictly speaking, it is not the senses that cause illusion as such. Whatever may be the cause of illusion, it need not be associated with sensation itself. Omoregbe (1998) has made the case that illusions are intricately connected with what the brain makes of the sensory stimuli pouring into the consciousness from the environment. The sense organs intercept and present external impressions to the brain in much the same way as a recording equipment in a physical laboratory. Error occurs when these sense-data are processed and interpreted by the brain, through “the influences of ... laws of attention, past experiences and habitual ways of reacting” (Siwek, 1967, p.369).

**Conclusion**

This paper evaluated the problem of illusion from the perspective of its implications for science and epistemology. It found that the argument from illusion, though it has lost much of its force, derives merit from forcing us to rethink the claims of science to indubitable knowledge and certainty about reality. Exploring the
nature of illusion, the paper also found that the argument from illusion is mistaken in treating perceptual illusion as the norm rather than an exception to the rule, and viewing human knowing process not as a gradual, piece-meal phenomenon, but as an instant, magical realisation, or awakening of human consciousness. Arguments having the same nature with the argument from illusion abound in different areas of philosophy, even from inception (Dancy, 1995). Such sceptical arguments, however, typically proffer no solution to philosophical problems; rather, they are satisfied with merely leaving the human intellect miserable, in a dark, pessimistic way. Here, the traditional argument usually adduced to defeat scepticism also applies: if the argument from illusion is true, then we are under illusion that it is true, as we have no independent way of breaking free of this illusion and knowing that what the sceptic is saying is true. To this end, French and Walters (2015, p.16) summarily noted that: “There is, as yet, no persuasive argument from illusion, or from the considerations that drive it, against the common sense picture of veridical perception, even granting the Phenomenal Principle.” To this extent, it is evident that the argument from illusion holds no promise even for the sceptic, and that we can attain knowledge of reality, albeit, procedurally.

Uche S. Odozor & Emmanuel O. Akintona
Philosophy Unit,
Department of Communication and General Studies,
University of Agriculture,
Abeokuta, Nigeria
odozorus@funaab.edu.ng
References


Odozor & Akintona: A Hermeneutic Approach to the Problem of Illusion


