

Abstract: Can epistemic normativity be plausibly explained by appealing to truth or true belief as the single fundamental epistemic value? To answer this question, I first sketch an overview of the normative surrounding and prerequisites before giving an account of what it means, exactly, to take a veritistic position, how it differs from other approaches to explain epistemic normativity, and how plausibly this account can explain guiding intuitions about value in epistemology. Veritism is used as a basis for a an account of epistemic normativity and I show how such an account could be developed. I present salient objections against and problems for a veritistic picture and try to defend the position against them, concluding that veritism is a quite viable basis for theories of epistemic normativity in agreement with successful accounts of epistemic justification. [TO DO: Use better words. Use the best words!]

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1 Introduction

It is not that hard to be skeptical about value. You can't see values. You can't touch them. And many think we can't even define them. Partly as a result, our disagreements about value have an interminable and intractable feel. Philosophically speaking, skepticism about value seems an easy sell.

At least this is the case when we are talking about the type of value that most philosophers worry about—moral value. But we have other values besides moral values. And one of the most basic of these other values is the value of truth. (Lynch 2009, 225)

In a certain sense, and one that, for example, Berker (2013) holds, epistemology is an inherently normative endeavor. To Berker the most fundamental question of epistemology is, despite the etymological origins of its name, not concerned with what makes a belief count as knowledge but is instead purely normative: “What should I believe“?

In pondering this question the similarities of epistemology to the theory of normativity and especially ethics are strikingly obvious, if only at a first superficial glance. It makes a lot of sense then, if one is to undergo the project of viewing epistemology through the lens of normativity, to at first take a look at ethical theories of value and normativity. While the properties of epistemic and ethical objects of interest may stop sooner than expected, the groundwork in ethical theory shouldn't be completely disregarded, either.

Go on and on

I don't know how to prove that the acquisition, retention, and use of true beliefs about matters that are of interest and/or importance is the most basic and most central goal of cognition. I don't know anything that is more obvious from which it could be derived. But I suggest that anyone can see its obviousness by reflecting on what would happen to human life if we were either without beliefs at all or if our beliefs were all or mostly false. Without beliefs we would be thrown back on instinct as our only guide to behavior. And as far as thought, understanding, linguistic communication, theorizing, science, art, religion—all the aspects of life that require higher-level cognitive processes—are concerned, we would be bereft of them altogether. And if we had beliefs but ones that were mostly false, we would constantly be led astray in our practical endeavors and would be unlikely to survive for long. Alston (2005, 30)

It's really unübersichtlich out there, norms and values seem to be thrown around. I wanted to put things a bit in perspective and say where this debate takes place in epistemology, what the relevant questions are, and if there

- Where are we in epistemology? Why is a normative approach important / interesting?
- explain very clearly and in formidable prose what it is this paper is trying to do, how it will be done, and what it accomplished (obviously, write it at the end).

I suggest that the primary function of cognition in human life is to acquire true rather than false beliefs about matters that are of interest or importance to us. Alston (2005, 29)

What makes us cognitive beings at all is our capacity for belief, and the goal of our distinctively cognitive endeavors is truth: we want our beliefs to correctly and accurately depict the world. Bonjour (1985, 7)

[More quotes can be found in Goldman (2002).]¹

2 Values, Norms and Truth

Why is it ever that anyone *should* believe something, or is *required* to believe, or is *justified* in believing, or is *rational* to believe? What is that yields some kind of normative requirement to the believer? A most natural answer, one that immediately springs to mind, is it's connection to the truth. You should believe that proposition because it is most likely to be true! (You are justified in believing that proposition because it is the only one that your evidence supports. It would be completely irrational to believe that other proposition, you don't have any reason to believe it.) What else than true belief is the epistemic goal of anyone in the business of believing anything, that is, a cognitive agent? It is this very intuitive thought that motivates postulating truth as an—or the—epistemic value.

When talking about values, the deontic or about normativity in general, it is helpful to look for established theories as a guideline. Naturally, these theories have been developed in the realm of practical philosophy, so that's where I'll turn for some clarificatory groundwork.

A good starting point to look for some guidance when talking about values are the fields of value theory or, more specifically, axiology.

1. As may be obvious, I presuppose a realist notion of truth. As perhaps less obvious, throughout this paper I assume that every proposition is either true or false and not neither or both. I won't discuss complications that arise for the veritist account if one supposes, say, dialetheism. Let's further suppose that eternalism about propositions is true, that is, one and the same proposition doesn't change its truth value, ever, in order not to run into complications when faced with a challenge from relativism brought forth by Brogaard (2009).

2.1 Taxonomy of the Normative [Exposition]

To clarify the notions, I very shortly introduce the normative terminology and how it is used in this paper.

I divide normativity roughly into axiology, the study of values, and deontology, the study of rules and norms. Axiology is concerned with what is good or bad and what is better or worse. Axiological claims are therefore *evaluative*. Deontology is concerned with what is required, forbidden, permissible etc. Deontic claims are therefore prescriptive or *regulative*. There can be evaluative norms, specifying what is of value, as well as deontic norms, specifying what is to be done or believed.

Any account of normativity aspires to explain the axiological and deontological questions. The tension between different types of theories is of some import for the present paper, and I circle back to this topic frequently.

What *is* a value, then? Scanlon (1998, 79) puts it thusly: “... a notion of how it would be best for the world to go, or of what would be best for particular people”. In addition, it is what makes evaluative sentences like “pleasure is good” come out (perhaps) true. There is something that corresponds to these sentences, for instance a property of pleasure, that gives “pleasure is good” a status as a true sentence. Since axiology is defined above in terms of claims of the form “pleasure is good” this approach seems alarmingly circular. It is such a simple and perhaps primitive notion. What’s left is the appeal to intuition—certain things are intuitively good, or are better than others. That’s what *value* refers to.

- value come in degrees - Intrinsic Value vs Extrinsic value

So far I have not really been quite firm on the terminology when talking about values and aims or goals. Let us specify that a bit, following Berker (2013, 344f.). What is valuable in itself are not beliefs per se, but states of affairs or situations in which someone has a true belief. But of course, the value of that situation only obtains in virtue of the true belief someone has, so it makes still sense to speak of true belief as valuable. Compare that to a goal: a goal in this sense is a situation of ideal or maximized value, something similar to the ideally rational reasoner who comes up frequently in the formal epistemology literature or the situation science is supposed to reach granted indefinite time for research. So the content of a goal describes that situation towards which doing something valuable or having a true belief promotes. Not much hangs on this distinction, but I think it important to be clear about these notions. I talk more about the veritist values and content of a goal in REF and REF.

- Instrumental Value vs. Final value see Sosa (2007) for fundamental vs derivative value. There is a difference between fundamental and final values. Something has fundamental value if its value is not derived from something else. Final value on the other hand describes something that has value *simpliciter* without regard to

some domain. For the present purposes, I just the qualifier *epistemic* when talking about values most of the time, so that distinction can hopefully be disregarded.

- Good vs. right
- Why talk about value? To get an account of normativity, of course!

[Shouldn't here be a description of different norms? maybe already distinguish between mistake and blameworthiness]

2.2 Teleology / Consequentialism [Exposition]

A theory of Normativity with a central value / central values as its fundamental principle.

The guiding motivation behind painstakingly creating a theory of value is not to stop there and be done with it, of course, but instead developing it into a full-fledged theory of normativity. Normativity includes the deontic as well, that is, the concepts of *right*, *reason*, *rational*, *ought* and so forth (Schroeder 2012, 21). Values and deontic norms are two central concepts in normative theory. Which of these two is the basic or fundamental one through which the other concept can be explained or derived is an ongoing debate and roughly divides normative theorists into two camps: consequentialists (or teleologists) and deontologists.

Consequentialists hold that all regulative norms usually phrased with *oughts* and the like obtain in virtue of being directed at a value or goal. In slogan form, they put the good prior to the right. The basic idea is to first ask “what is the best (i.e. most valuable) action / belief / situation?” and then ask “what do I do to achieve it?” to arrive at what one *ought* to do. „However much consequentialists differ about what the Good consists in, they all agree that the morally right choices are those that increase (either directly or indirectly) the Good.“ (Alexander and Moore 2015)

Deontologists hold that all evaluative norms obtain in virtue of being directed by a regulative norm. In slogan form, they put the right prior to the good. They start out with asking “what should I do?” and then determine the most valuable action / belief / situation on this grounds.

So the direction of explanation is reversed in these types theories, but instances of both types aspire to account for the *good* as well as the *right*, in other words, aspire to present a complete account of normativity (Berker 2013, 341). This distinction is, as in most fields of philosophy, not as clear-cut as it might seem though, and there are theories that neither fall clearly on one side or the other of the divide and may incorporate features of the opposed theory.

This is a very rough sketch of teleological / deontological accounts of normativity that leaves most everything to be desired, to be sure, but for my purposes it's enough give a quick overview what this distinction is all about.

2.3 Epistemic Normativity

Veritism is a theory about value, so in that sense it determines the questions regarding axiology in a normative framework. To be compatible with veritism, a deontic theory has to accept that the only fundamental epistemic value is truth or true belief. Veritism combined with such a deontic theory amounts to a teleologist or consequentialist account of epistemic normativity in which deontic concepts are explained by appeal to veritism.

The discussion of the normative has been quite general so far, in order to be compatible with ethics as well as epistemology. Veritism is an epistemological position, so what does that mean for normative theories about it? Most of what has been said translates directly into the *epistemic domain*, meaning anything that pertains to concepts like belief, truth, knowledge and justification (David 2001). Even Grundmann (2008, 7), who holds that conceptual analysis in epistemology precedes the normative inquiry, emphasizes the normative character of justification, one of *the* central concepts in epistemology (ibid., 226). Still more prevalent is the connection of epistemological concepts to the normative in the *deontic conception of epistemic justification*, presented by Steup (1988) and argued against by Alston (1988). The deontic conception states that epistemic justification can be “cashed out” out in terms of permissions, obligations and so forth. This goes one step beyond the claim of Grundmann, who merely notes the evaluative normative character of epistemic justification.

So the interesting question is whether veritism can account for and explain the normative character of epistemology. What are those normative concepts, and how can it be done? I see two basic different approaches:

1. Determine the exact content of the goal stipulated by veritism. What exactly is the goal of epistemology? By finding out the most plausible version an exact description of the goal, one thereby acquires a putative description of the ideal epistemic state of a believer. Taking this description as a regulative ideal, one can try and work out the most plausible epistemic regulative norms, that, if followed, brings one closer to being in the ideal epistemic state ². If and how these regulative norms so construed pertain to the concept of justification or knowledge is a different question, and, depending on one’s assumptions, can follow directly or not at all.
2. Stipulate that the normative conception of epistemology just is a feature of what the central epistemic concept, depending on your theory of choice *justification*, *reason*, *evidence*, *rationality*, *warrant* or *intellectual virtue* (David 2001, 153), amount to. On

2. That this is not as easy as it might sound is Gibbons (2013) major point. There is a huge gap in explanation between the objective goal of truth and regulative norms pertaining to the individual subject. These even come in conflict, in what he calls *the puzzle*. However, Goldman (2002) does not think this problem grave at all. [Go on A BIT and clarify own position]

this approach, what it means to be justified (or rational, reasonable..., from now on justified for short) is in some way or other derived from veritism. Then, the assumption that these concepts are inherently normative in nature provide a basis to reason for the binding normative power of this concept. That is, norms stating that it is good to be justified in believing, or that one ought to be justified in believing.

It is important to note that this is *not* the same or similar to a deontic conception of justification. Whereas the deontic conception holds that justification obtains in virtue of compliance with deontic norms,

On many accounts[citation?], (2) is the preferred strategy, as it grants an important role to the central epistemic concept of justification. In strategy (1), justification seems like a mere afterthought and there are no attempts at explaining it built in.

Note that neither of both approaches is necessarily stuck to the position that there can only be evaluative or only regulative norms. This is a different question which is addressed later on (-> ref!).

2.4 How Can Veritism Ground Epistemic Normativity?

It is perhaps not obvious why it is that, given veritism, regulative norms of belief have any normative force. How is the normative force grounded in veritism? In virtue of what are these norms authoritative? It may be that true beliefs are good, or valuable, but why should that require me, as a believer, to follow norms given provided by veritism? This problem is especially salient when additionally stating that beliefs have a constitutive aim of being true, as Côté-Bouchard (forthcoming) points out. His challenge goes something like this: Suppose that there is a true evaluative norm of belief, of the form

TN A belief is correct if and only if it is true. (Wedgwood 2002)

For epistemic normativity to be binding, it needs to be the case that there is necessarily a good reason to follow epistemic norms Côté-Bouchard (forthcoming, 13). For TN to deliver such a verdict, we need to make the additional assumption that

RTN There is necessarily a good reason to believe correctly.

However, this does not follow from TN. And it has to follow from TN, since TN is supposed to—on its own—explain the force of epistemic normativity. So to say that there is a true norm of belief of this kind does not imply anything about there necessarily providing me with good reasons to believe according to that norm. For consider the analogy: “writing the same number twice in one of the columns of a Sudoku grid is incorrect relative to the constitutive norms or rules of Sudoku. Yet there might be no good reason for me to avoid that incorrect Sudoku move.” (ibid., 12). So although one may grant TN, RTN still does not have to obtain.

One objection that springs to mind is that there is a role-ought that applies here [cite feldman]: It is (i) our role *qua believer* that forces us to obey the norms and (ii) occupying the role of a believer is inescapable for any human being, or more abstractly, anyone capable of intelligence or agency, so most anyone that epistemology has anything to say about.

Côté-Bouchard (forthcoming, 9) presents some counterexamples as a reply to this: first, being in the role of something does not imply normativity. Consider someone in the role of a torturer. *Qua torturer* he ought to make his victims suffer. But it would be rather cynical to ascribe good reasons to do so to the torturer. Secondly, inescapability of a situation does not make it normatively relevant. Consider the alcoholic, who can't escape wanting a drink. But does she have good reason or is justified in "binge drinking"? So neither of those features conduce towards normative requirements.

However, what has to be addressed here is that the role of a believer is aimed at a good thing, at something valuable. That is what veritism states, after all. The *combination* of these claims makes all the difference: any epistemologically relevant subject is in the position that (i) she is in the role of a believer (ii) this is necessarily and not only contingently so and (iii) only true belief is good belief. What Cote-Bouchard has shown is that neither of these conditions alone is sufficient to justify RTN. But as a believer TN applies to me, hence I have good reasons to believe correctly *qua believer*. Since I'm necessarily in the role of a believer, and believing correctly is a good thing (as stated in veritism), I necessarily have a good reason to believe correctly.

If this objection works, it lifts the normativity of belief *out* of the merely epistemic domain. So I do not merely have an epistemic reason, but a good reason, *simpliciter*³. But not much hangs on this claim for the purposes of this paper, since for normativity of belief to be relevant, it is enough to just apply to the epistemic domain. This question becomes relevant again as soon as one tries to compare epistemic (or intellectual) reasons with practical (or other kinds of) reasons to determine an all-things-considered reason. That is not the target of this paper, though. If this norm is in fact only hypothetical on my role as a believer—so be it.

3 Veritism

3.1 Varieties of Veritism

Goldman (2002, 54) defines veritism as "... the unity of epistemic virtues in which the cardinal value, or underlying motif, is something like true, or accurate, belief". Bor-

3. This does not amount to all-things-considered reason, however, as there might be other, heftier reasons that outweigh my good reason derived from truth. This, though, is another contentious topic, and some hold the position that only epistemic reasons can give me a reason to believe anything (Kelly 2003)

rowing the terminology from Goldman, Berker (2013, 360) proposes to define veritism as the position that „ ... our only epistemic goals are (i) the accumulation of true beliefs and (ii) the avoidance of false beliefs”. Zagzebski (2004) has a different name for a very similar position, what she calls epistemic value monism: “Any epistemic value other than the truth of a belief derives from the good of truth”.

The unifying theme of these quotes is apparent: What’s central to all three accounts clearly is the notion of *true belief*. True, or accurate, belief has to be a value, goal, function or motif with a distinct role in the theory. This role is determined as cardinal, single, primary and non-derivative. In other words, veritism says that true belief has to be regarded as the only *final* value. No other epistemic concept like knowledge or justification has final epistemic value. It is important to note, however, that this does *not* entail that other epistemic concepts have *no* epistemic value, they just don’t have *final* epistemic value.

So it is perfectly compatible with veritistic accounts to say that epistemic justification is valuable and that it has a value distinct from the value of true belief. Justification does not, however, have final or intrinsic epistemic value.

3.1.1 The Value of Believing

That is the gist of the position: veritism claims that true belief is the only epistemic value or goal. In some sense it is an ontological claim about the domain of epistemology: Veritist describe the property of value to true beliefs, or the existence of of a unifying goal for all believers. It is somewhat removed from psychological considerations, but that was to be expected, given this inquiry into the normative.

Simple Veritism: True belief is the only state of affairs that has final epistemic value.

- of course, this is still underspecified. What exactly is of value? Having as many true beliefs as possible? How are true and false aggregated to accommodate something like a total value?
- add a comparative notion to it.

Can this account explain intuition about scenarios concerning epistemic value? A clear-cut case: two propositions P and Q where P is true and Q is false—it couldn’t be more obvious: believing P is more valuable than believing Q . This very natural thought directly leads to a comparative notion which holds that true belief is more valuable or better than false belief. Simple enough.

Now what if we want to evaluate the doxastic system of a person, or her intellectual attainment, as Goldman (2002, 58) puts it? This seems just as straightforward. The more true beliefs a person has, the more valuable the position that she occupies. So no matter the epistemic situation she am in, by acquiring more true beliefs she can better her epistemic standing. So far, so good. GoldmanGoldman (2002, 59)

All is not well, though. Consider these two:

Gullible Gilbert the believes everything anyone tells tells him, anything he thinks about, in general any proposition he encounters.

Precise Priscilla the is more careful in forming her beliefs. She carefully weighs her evidence and, as a result, has a lot fewer beliefs than Gilbert, but her beliefs are largely true.

Intuitively ⁴, it is obvious that Priscilla occupies the more valuable epistemic state. Yet on the account just sketched, Gilbert amasses lots and lots of beliefs, among these many true beliefs. Hence his epistemic situation is immensely valuable. Priscilla on the other hand has fewer true beliefs to show for, her epistemic situation is therefore less valuable. This is a terrible result for the simple account.

Gilbert's situation is an instance of what Berker (2013, 360) calls *epistemic recklessness*.

To avoid this result, it seems only natural to expand the epistemic goal to consist of to goals, really: "...the twin goals of acquiring true beliefs and avoiding false ones" Berker (2013, 339). This dualistic rendition of epistemic value has already been proposed by James (1896, 17), who coined the phrase: "Believe truth! Shun error!".

Dualistic Veritism: True belief and the avoidance of error are the only two states of affairs that have final epistemic value.

What does it mean to avoid error? An error in this sense Berker (2013, 362) is a false belief. But in everyday language, disbelieves in true propositions are errors as well. I discuss this complication later on 3.1.1. What is avoidance, then? In a narrow reading, only disbelieving or suspension of judgment towards a false proposition count as avoiding errors. Interpreted more loosely, just being ignorant about a given proposition can count as avoidance, too. This relates to the criterion that determines which propositions actually contribute to the epistemic value, I discuss it in 3.1.1.

So to maximize my epistemic value, I aim to have as many true beliefs and as few false beliefs as possible.

This account fares better with respect to Gilbert and Priscilla. As Gilbert does have some true beliefs that count towards a valuable position, Priscilla's carefulness now brims with epistemic value as she avoids most of the errors that Gilbert makes. So this intuition, at least, can be explained.

But let's revisit one of the key merits of veritism at the core of any deontic framework. One central motivation is to unify all epistemic evaluation. This approach reaches as far back as Socrates, who proclaimed: "Virtue is one!" and meant it quite literally Penner (1973), entailing that what Socrates regarded as virtues were really all the same

4. I make a lot of assumptions about intuitions here. Granted, this is not ideal, but I tried to only incorporate cases where the intuitions seem uncontroversial. As these are empirical claims, of course all of my assumptions about clear-cut intuitions are open to challenges from experimental philosophy.

thing. So bravery, wisdom, temperance, justice, piety and even knowledge amount to something equivalent, if not identical. Goldman (2002) picks up the ball in his self-appointed task to unify all epistemic virtues⁵. As one might think, he is not so quick to drop value monism to make it two, that is to switch to a dualistic account, which would pretty much mean to give up the idea of a single unifying epistemic virtue.

Goldman (2002, 58) proposes an a little more complex form of veritism which takes its motivation from the model of partial belief, or degree of belief, or levels of confidence, or credences. Let's first get clear on the different notions of belief he employs:

First, we can use the traditional classification scheme which offers three types of credal attitude toward a proposition: believe it, reject it (disbelieve it), or withhold judgment. I call this the trichotomous approach. Second, we can allow infinitely many degrees or strengths of belief, represented by any point in the unit interval (from zero to one). I call this scheme the degree of belief (DB) scheme. Goldman (1999, 88)

So nothing non-standard here. Note, that we want to account for each of the doxastic attitudes belief, disbelief and suspension of judgment.

In the model of degree of beliefs, it is not mere true belief that has final epistemic value. Instead, the value of a credence in a true proposition derives its value as a function of its degree: maximal value if the degree is maximal, and minimal value if the degree is minimal. This yields a slightly different comparative notion than before: A degree of belief in a true proposition is more valuable than another degree of belief simply if it is higher. Given a true proposition P , your credence of 0.9 is more valuable than mine of 0.4, simple as that. Goldman then supposes a workable way to translate degrees of beliefs into full beliefs, suspension of belief, and disbelief, by some threshold measure that is left unspecified. He can then compare: "... believing a truth carries more veritistic value than suspension of judgment; and suspension of judgment carries more veritistic value than disbelief". This leads to a comparative notion:

If a person regularly has a high level of belief in the true propositions she considers or takes an interest in, then she qualifies as "well-informed." Someone with intermediate levels of belief on many such questions, amounting to "no opinion," qualifies as uninformed, or ignorant. And someone who has very low levels of belief for true propositions—or, equivalently, high levels of belief for false propositions—is seriously misinformed. Goldman (2002, 58)

In this way, Goldman concludes, the veritistic account can accommodate everything an account with two epistemic goals instead of one can. In particular, he claims that

5. Now, virtues are not the same thing as values or goals, and I don't want to get into a discussion about virtue epistemology at all here. What Goldman concedes, though, is that his conception of epistemic virtues builds upon or at the very least is compatible with that form of consequentialism value-directed accounts present us with.

that having very low levels of belief for true propositions is *equivalent* to having high level of belief in false propositions, at least insofar as the epistemic value is concerned. On this account, a credence of 0.2 in a true proposition has the same epistemic value as a credence of 0.8 in a false proposition, and both counts equally towards a person being seriously misinformed. For Goldman, this notion of comparative value does justice to our intuitions regarding relevant cases. It is very reminiscent of the concept of utility in utilitarianism, which is “sum of the action’s positive and negative consequences, that is, the pain and pleasure caused by the action.” (DePaul 2001), in that it subsumes the positive value of true belief and the negative value of false belief under one unifying concept.

Accuracy Veritism: Accurate belief is the only state of affairs that has final epistemic value.

3.1.2 The Value of Disbelieving

However, as I see it, there are problems with this translation of conclusions drawn with the notion of degree of belief to the notion of full belief that Goldman does not seem to take into account. It might be interesting to have a look at the notion of belief and disbelieve that Goldman employs, as it does a lot of work in explaining the value of the doxastic attitudes.

Goldman claims that disbelieving a proposition P is equivalent to believing a proposition non- P Goldman (2002, 58), so that I disbelieve a proposition P if and only if I believe a proposition non- P . That is, whenever it is true that i disbelieve P , it is also true that I believe non- P , and whenever it is false that i disbelieve P , it is also false that i believe non- P , and *vice versa*. I presume this is a consequence from the translation of the notion of degree of beliefs to the notion of full beliefs. Given scaling of degree of beliefs on the unit interval, whenever I believe P to the degree c , I also believe non- P to the degree $1 - c$. For example: I am pretty unconvinced of P , my credence is 0.1. Hence, my credence in non- P is 0.9. Translated back to full beliefs, this would then amount to belief and disbelieve, if c is sufficiently low for disbelief. So Goldman’s claim about equivalence would follow. What shouldn’t be disregarded, though, is that this only applies to agents that obey the axioms of probability theory, in many theories a necessary condition on rationality of degree of beliefs. It is still very much conceptually possible to believe P to the degree 0.8 *and also* believe non- P to the degree, say 0.7. I wouldn’t be quite rational to do so, of course, but it is certainly possible. Now, Goldman does not state conceptual identity, granted. Equivalence is still a very strong claim, but: my believing P to the degree c *does not entail* my believing non- P to the degree $1 - c$ (or vice versa). So, translated back to full beliefs, the equivalence of disbelieving that P and

believing that non- P does not follow from the notion of degree of beliefs⁶.

One could object to this that this is not at all a move from degree of beliefs to full beliefs. Instead, it just very naturally follows from thinking about doxastic attitudes. What else should disbelieving P amount to, if not believing that non- P ? When I disbelieve P , I hold that P is false. But believing that P is false *just is* believing that non- P is true. The argument looks something like this:

P1 If I disbelieve that P , I believe that $\langle P \text{ is false} \rangle$.

P2 $\langle P \text{ is false} \rangle$ is equivalent to $\langle \text{non-}P \text{ is true} \rangle$.

P3 Belief is closed under single premise logical entailment.

C1 If I disbelieve that P , I believe that $\langle \text{non-}P \text{ is true} \rangle$. (From P1 to P3)

P4 Believing that $\langle Q \text{ is true} \rangle$ *just is* to believe that Q .

C Therefore, If I disbelieve that P then I believe that believe that non- P . (From C1 and P4)

A similar argument may be sketched for the opposite direction of entailment.

[There may be problems or an objection with Frege senses and thoughts. Look into it if time] But I would hold that I presumably can disbelieve P and also not believe non- P , that is, disbelieve non- P or suspend judgment towards non- P . There is no entailment relation between either of these doxastic attitudes. To take a familiar example: I can disbelieve that Hesperus shines without believing that Phosphorus doesn't shine, even though, as is common knowledge, Hesperus and Phosphorus denote the same object and therefore $\langle \text{'Hesperus shines' is false} \rangle$ and $\langle \text{'Phosphorus does not shine' is true} \rangle$ are equivalent propositions. What goes wrong in the argument? P1 may just follow from your definition of disbelieve. I won't argue against that here, or ever, so this premise seems fine. P2 just is a necessary statement given that every Proposition is either true or false. P4 seems like a truism, although one might argue against it on grounds that a conception of truth or true belief is not necessary for a subject to hold true beliefs, however, let's grant this as well. P3, on the other hand, is the most dubious candidate. While it is a hot topic whether knowledge is closed under entailment⁷, and even so for rational belief⁸, it is a lot less plausible that *mere belief* is closed under (single premise) entailment. For I can, of course, believe that P , where it is some necessary truth that If P , then Q , but still fail to grasp that Q obtains. Without this or a similar premise⁹ the

6. The notion of translating between different models of belief formation is not self-explanatory and seems in need of an independent argument. Let's suppose, for the moment, that such a sufficient argument has been presented.

7. See, for example, Dretske (2005).

8. See Kyburg Jr (1970) for a case against.

9. Perhaps the premise that it is closed under *obvious* single premise closure, but then, I think, the same counterexamples work. But isn't closure under logical entailment too strong a requirement? What's really at issue is closure under logical equivalence, and that seems a lot more plausible? Well, even in this case, the presented counterexample about Hesperus and Phosphorus would work.

argument just isn't sound.

So, I suggest that yes, of course, $\langle P \text{ is false} \rangle$ is equivalent to $\langle \text{non-}P \text{ is true} \rangle$, however, disbelieving that P is not equivalent to believing that $\text{non-}P$.

[The following is BS] Would it be so, I could never believe a direct contradiction, not only not rationally, but not with good reasons, either¹⁰.

Goldman can still retreat to the position that the *epistemic value* of disbelieving P is equivalent to the *epistemic value* of believing $\text{non-}P$. Let's suppose P is false, and hence $\text{non-}P$ true, then on this account, disbelieving P has epistemic value—the corresponding credence is very close to the actual truth value—and believing $\text{non-}P$ has value, since one believes a true proposition, namely $\text{non-}P$. So what can be accounted for is the dual value of disbelieving a falsehood and believing a truth. This position seems a lot more plausible, then. Perhaps it is what Goldman had in mind, anyway. What does it help veritism with? Consider the case:

Stephanie Skeptical is in a very unfortunate situation. Her questionable colleagues all present her with unconvincing propositions. As a result, she comes to disbelieve most of them. And rightly so, all of them are false.

We intuitively want to say that Stephanie's disbeliefs contribute something epistemically valuable to her situation. Yet, on the simple account of veritism, I could only ascribe value to her disbeliefs if I presume the equivalence stated by Goldman, that her disbelief in the false proposition P entails a believe in the true proposition $\text{non-}P$. On the dualistic account, her disbeliefs would count as an avoidance of error only if (a) the equivalence claim above is supposed true, or (b) error is meant to encompass disbelieve in false propositions as well. Option (a) would presuppose too much to be incorporated into the value directly, for my taste, whereas option (b) seems *prima facie* to be a plausible candidate to deal with this problem, however, isn't emphasized that much in the literature.

Goldman's accuracy account is partly designed to handle exactly this type of case. Stephanie's disbeliefs all have epistemic value equivalent to that of true beliefs. Hence, her epistemic situation is valuable, agreeing with intuition.

3.1.3 The Value of Suspending Judgment

What about suspension of judgment? Given a true proposition P , it is most valuable to believe that P . It seems less valuable to suspend judgment towards P , and it is even less valuable to disbelieve P . Conversely in the case of a false proposition Q : disbelieving is most valuable, suspension less so, and believing that Q least valuable. Intuitively then, there is a clear ranking of these types of doxastic attitudes. On the simple account, none

10. As in the case of certain paradoxes, for example the liar paradox, as one might argue Priest (1998, 415)

of the features of the ranking save true belief can be explained. The dualistic account with the above modification regarding error gets two out of three right, it does not say anything about suspension of judgment though. What should it count as? Is it some form of true-at-least-a-bit belief, or should it be regarded as an error? Neither of these seem plausible at all. So if we are to include suspension of judgment into our notion of doxastic attitudes, both the simple and the dualistic veritistic account can't seem to handle the intuitions regarding its value. The accuracy veritist is able to cope a lot better, as suspension is directly incorporated into the comparative notion that Goldman spelled out.

However, there might still be a problem: [Insert Dominiks Argument here] i suggest that the translation to a model of full belief does not work in all respects: A degree of belief of 0.5 is not the same a suspension of judgment, which does not entail a doxastic attitude towards a proposition ¹¹

So far, it seems that accuracy veritism comes out on top, at least if we only consider cases in which there is a fixed set of propositions against which we evaluate different intellectual attainments. Consider again the case of Gilbert and Priscilla: Gilbert is right quite often, but wrong even more often. Priscilla is right in most of her beliefs, but has fewer of them, so is not right as often as Gilbert is. On Goldman's account then, one accumulates epistemic value by believing truths and disbelieving falsehoods, but also by suspending judgment, regardless of the truth value of the proposition. Isn't it still the case that Gilbert accumulates more value by believing all those true propositions? He accumulates a lot, that much is correct, but reading Goldman charitably we might ascribe to Priscilla that she withholds judgments in many of the cases which Gilbert gets wrong. Thus, she accumulates lots of additional value by being indecisive. I would concede that this point is controversial, for it is not the same thing to withhold judgment and to be ignorant about a proposition. Being ignorant does not promote any epistemic value, and isn't Priscilla ignorant about those proposition, really? Whatever the answer, one might object that there is a slight alteration to the Gilbert and Priscilla case that might pose a new problem. Consider:

Hesitant Howard is too indecisive to belief most anything, he withholds judgment on every single proposition he is not perfectly sure of. And he is almost never sure of anything! As a result, most (if not all) of his doxastic attitudes are suspensions of judgment.

Of course, Howard is not in an epistemically notably valuable position. And his situation certainly is not better than that of Priscilla. But doesn't the accuracy account produce the verdict that Howard's situation is more valuable, given that he accumulates value for each suspension of judgment, while Priscilla doesn't? The response is

11. I owe this point to Balg (forthcoming)

analogous to the previous case. If Priscilla is ignorant or without doxastic attitude towards most of the propositions that Howard withholds judgment on, the accuracy account might produce the verdict that Howard accumulates more epistemic value than Priscilla does. If we grant, however, that Priscilla herself suspends judgment on these propositions, then her overall positive track-record will give her a slight to large edge over Howard and therefore make the account's verdict agree with intuition.

If we stipulate, though, that Priscilla has doxastic attitudes towards a given limited set of propositions, but which are mostly accurate, whereas Howard's set of proposition he withholds judgment on is significantly larger, the accuracy account would value Howard's situation as the more epistemically valuable. I argue that these cases in which the set of propositions in question differ in such a significant way may yield less clear intuitions about the epistemic value. Intuitively, there might be something of value in the mere range of propositions that Howard is familiar with, and even though he is not knowledgeable about most of them, just having this many doxastic attitudes may count some way towards epistemic value.

I would propose to set aside such edge cases and predominantly compare epistemic situations on opinionated, fixed or comparably-sized sets of propositions—doxastic attitudes are, after all, what we want to compare the value of.

3.1.4 Summary

In this section, I present simple and straightforward forms of spelling out what a veritist account of epistemic value might look like, and compare their verdicts against intuitions about epistemic value in ready-made and non-obscure cases. I then evaluate which, if any, of the presented accounts seem plausible enough on this first challenge to then be incorporated into a theory of epistemic normativity. It becomes apparent that getting clear on what it is, exactly, that veritism states, is not as straightforward as one might think. Simple veritism can't accommodate the value of disbelieving a false proposition. Dualistic veritism has problems explaining intuitions about the value of suspending judgment. Accuracy veritism is not able to properly explain intuitions about comparing the value of wildly diverging sets of beliefs, however, that problem might not be of so much import after all.

To make headway, I propose to accept the account of accuracy veritism for the time being as a predominantly plausible one. To avoid complications, I still talk of veritism as employing true belief as the only final epistemic value with the notion of accuracy in mind.

Next, [what is next?]

3.2 Veritism and Other Axiological Accounts

Veritism proposes that true belief is the only final epistemic value. This would not be saying much if there were not different accounts of value that try to explain epistemic normativity from a different starting point. In this section, I outline some of them and give an overview of the different accounts in use in contemporary normative epistemology.

3.2.1 Truth Value Monism

I stated in section 3.1 that Zagzebski (2004, 191) has a different name for a very similar position to veritism: epistemic value monism. I label this position *truth value monism*, however, since epistemic value monism seems to be somewhat of a misnomer for the position that Zagzebski sketches: “Any epistemic value other than the truth of a belief derives from the good of truth.” Although this is a case of epistemic value monism, that is, a position that stipulates a single final epistemic value, other positions may also stipulate a single final epistemic value, most naturally knowledge, and thereby classify as epistemic value monism. So the term is ambiguous, hence truth value monism. Is truth value monism the same as veritism? In section 3.1 is presented different renditions of what veritism might amount to, one of these simply stating truth as the final epistemic value. The other versions may still classify as truth value monism, depending on how tight you want to draw the concept, but I think the label veritism with the various addenda such as *dualistic* much more appropriate as working name, so that is what I am going to use.

3.2.2 Virtues of Veritism

Terminology out of the way, Let’s see what reasons there are to endorse veritism as a theory.

First, it is a most natural notion. It is not controversial at all to say that truth is valuable one way or the other, or that having a true belief about some matter is better than having a false belief about that matter. This much is conceded by pluralist notions as well as other epistemic value monism, such as a knowledge-first account, even if in the latter case true belief would be valuable only derivatively. This much is even conceded by deontic conceptions of epistemic normativity, which grant that there is value to true belief, but that true belief derives its value through norm-compliance. The concept is so natural in fact, that some even argued that belief constitutively aims at the truth (Shah 2003; Velleman 2000). To say that much is not necessary for a veritist position, however.

Secondly, veritism packs a bunch of explanatory power. To see this, consider a very successful theory in traditional epistemology: process reliabilism. This theory is, as Goldman point out, consequentialist in nature (Goldman 2002) employing veritism as

axiological groundwork. I discuss extensively that this is not without problems in section (REF->). But even in formal epistemology, veritism has explanatory power and can help vindicate Bayesianism, or so at least Joyce (2009) proposes. Trying to vindicate probabilistic coherence has long mostly been a project taking its argumentative force from pragmatic considerations such as intuitions about pragmatic betting behavior. Setting it on alethic foundations, as Joyce puts it, is to present a purely epistemic argument for probabilistic coherence. He then goes on to assume Accuracy of degrees of belief as the epistemic value, which is quite strikingly a veritist variant.

Thirdly, it may be argued that parsimony is a veritable virtue of explanatory theories¹², and stating just one single epistemic value to explain all of epistemic normativity is of course quite parsimonious. Forthly, stating a single epistemic value is one way of avoiding the incommensurability problem (Schroeder 2012, 16), which I discuss in (->REF).

So it seems like veritism has a lot going for it. But of course, there are alternative epistemic axiologies. Next, I sketch an overview of the relevant competing positions.

3.2.3 Veritism vs. Value Pluralism

One obvious alternative is to not stipulate truth as the final epistemic value, but to also allow other plausible concepts to have non-derivative epistemic value. Chiefly among these are justification and knowledge. The advantages of this account are immediate: The value problem does not arise, which purports the lack of explanatory power of veritism when faced with the intuitive claim that knowledge is more epistemically valuable than true belief. I discuss this problem and its import for veritism in section REF. One version of epistemic value pluralism is proposed by Matheson (2011, 399). He suggests that knowledge, justified belief and true belief are of fundamental epistemic value. He argues for it on grounds of alterations of the value problem for veritism that challenge other pluralist versions, and comes to the conclusion that his proposal is the only viable alternative. As with all theories that posit the existence of more entities [This is not necessarily true, only for realists about values. Rephrase to be neutral about theories but still make the point], pluralism about values also has to account for the question:

12. In fact, Ahlstrom-Vij and Grimm (2013, 342) posit some key desiderata for a satisficing epistemic axiology, chiefly among them a requirement for parsimony. They argue for it on the grounds that “one should prefer ontologies with fewer rather than more existential commitments, *ceteris paribus*” (ibid.). This means that when comparing two theories with similar attractive features then, other things being equal, one ought to choose the theory with the fewer different entities assumed existing as possible. This intuitive principle in philosophy and the sciences was already proposed by Aristotle, Kant, Newton, Einstein, and Lewis among many (Baker 2013, 3) and has its most famous philosophical realization in Occam’s Razor, which can be stated as “other things being equal, if T_1 is more ontologically parsimonious than T_2 then it is rational to prefer T_1 to T_2 ” (ibid., 7). Arguments for it range from just stating that parsimony is a primitive value over analyzing the quality of actual empirical theories vis-à-vis parsimony to probabilistic arguments showing that rational agents assign distinctive prior probabilities to simpler laws (ibid., 11-26). For the purposes of this paper I take it to be sufficient to assume this quite plausible principle without going any deeper into this discussion.

why? The mere reason that it explains the value problem in a satisfying way would only be sufficient reason if the value problem would decisively rule out veritism as a viable alternative. Assuming for the moment that this is not so, pluralists have the additional explanatory burden to deliver a story about why it is that there are many values, a burden that veritism escapes. Given that both theories are of equal merit, parsimony clearly decides in favor of veritism.

3.2.4 Other-Value-Monisms (Knowledge, ...)

Veritist propose truth as the only epistemic goal. But why is that so? Wouldn't other candidates be a lot more plausible? After all, this is epistemology, and not alethology, or something like that.

3.2.5 TVM vs. Non-Value-based accounts of normativity

Deontological account of justification has the problem of explaining intuitions of the form you should believe it because its most likely to be true!

Deontological accounts also need to provide an explanation for the problems posed by a false doxastic voluntarism and ought-implies-can. Veritism gets evaluative notions for free! Doxastic voluntarism still is a problem for deontic requirements, though. Strategies: Flat-out deny deontic (regulative) requirements, or adopt one of the deontological accounts position and distinguish between different forms of doxastic voluntarism or deny ought-implies-can in one of its different forms. (Perhaps) we'll see later what these strategies exactly amount to .

3.3 The Significance Problem

In this section I discuss that there might be a problem posed to value-based accounts of epistemic normativity by the clear intuition that some true beliefs seem intuitively more epistemically valuable than others.

Let's compare these two sentences:

1. The universe is expanding at an accelerating rate.
2. The number of people ever to have visited the David Hume memorial up until now is odd. ¹³

Intuitively, truly believing (1) seems a lot more epistemically valuable than believing (2). Pritchard and Turri (2014) put it like this:

Moreover, some true beliefs are beliefs in trivial matters, and in these cases it isn't at all clear why we should value such beliefs at all. Imagine someone who, for no good reason, concerns herself with measuring each grain of

13. Examples from Ahlstrom-Vij and Grimm (2013)

sand on a beach, or someone who, even while being unable to operate a telephone, concerns herself with remembering every entry in a foreign phone-book. Such a person would thereby gain lots of true beliefs but, crucially, one would regard such truth-gaining activity as rather pointless. After all, these true beliefs do not seem to serve any valuable purpose, and so do not appear to have any instrumental value (or, at the very least, what instrumental value these beliefs have is vanishingly small).

Why is it that some beliefs seem more epistemically valuable than others, and how could veritism account for these intuitions?

For most people, believing a proposition is valuable only if it is of interest, be it for day-to-day life or for other purposes. Hence, concerning oneself for no good reason remembering something trivial like each entry in a phone book seems like a utterly point- and valueless undertaking, even though this add lots of true beliefs to ones overall stock. A distinction should be made here between belief-relevant interests of a person, that a somewhat subjective and objective belief-relevant interest, what i call the significance of a belief.

3.3.1 Subjective Interests vs. Objective Significance

A belief could be more or less relevant to one's own purposes. In that sense, my own interest determines what is significant to me. Whether the number of people ever to have visited the David Hume memorial up until now is even or odd may not be of interest to most people, but if I have a bet running on the outcome of (2) I am very interested in the result, as Ahlstrom-Vij and Grimm (2013, 333) points out. But in this case, i wouldn't value this belief for its own sake, but to promote some other value besides its truth, valuing the truth of the belief only instrumentally. That is not an epistemic notion, however. And we are looking for some kind of epistemic significance. So this type of significance cannot explain the intuition in purely epistemic terms. A different approach is to grant genuine purely epistemic interests to people, that is, someone might be interested really just in the truth of a proposition. If we were to include this into the notion of epistemic value, the epistemic value of a belief would differ from person to person, that is, the epistemic value is relative to a person's interests. This might not necessarily be a bad thing on the conceptual level. Consider: The ascription of value to a belief itself is subject-dependent since there are no beliefs with no one there holding those beliefs. But wouldn't we want to say that a person believing (2) does so in an epistemically worthless manner, even if there are genuine epistemic interests involved? Or granting some epistemic value, if small and obscure however, wouldn't we want to say that to believe (1) would still be more epistemically valuable than (2)? If this is true, then this kind of subject-relative notion of epistemically relevant significance

can't explain our intuitions about it. But still, sometimes we do evaluate a single true belief relative to the epistemic situation of the believer. For example, there seems to be a difference in value between a mere random true belief and a belief that has been acquired through meticulous research. I grant this quite important point and discuss it in section ???. However, this does not pertain to the *significance* of the belief in question.

Perhaps some kind of majority-rule could deliver the desired verdict. It could be the case that what is epistemically significant is what most people deem interesting. I don't think this approach worthwhile to pursue, since it would be very strange building a notion epistemic normativity on a seemingly contingent empirical fact about majorities of people, if that is a fact, anyway.

But perhaps what is really meant here is what *should* be of interest to the subject. So it may be the case that one is very interested in the outcome of the bet on (2), but really, what one epistemically should be interested in, is (1). This does not help the veritist one bit, though, as it is her aim to explain epistemic normativity. Presupposing contingent normative requirements as what actually determines epistemic value, from which epistemic normativity is then argued for, would just be circular reasoning. It seems, then, that subjective interests regarding epistemic value either do not explain our intuitions or do no work for a normative theory.

What about some form of objective interest or significance? It is not quite clear what that would actually mean. We might assume some kind of natural curiosity in human beings that entails some form or other of a desire for relevant truths that could be cashed out in purely epistemic terms (Ahlstrom-Vij and Grimm 2013, 333). So somehow the relevance of the truth in question is then something ingrained in human nature, and we as believers can't help to value some truths more than others. This idea is somewhat similar to the argument I gave in favor of grounding epistemic normativity in section 2.4. What did the argumentative work there was the conjunct of inescapability of the role as believers and the normative statement that only true belief is correct. Similarly, we assume some kind of inescapability in our role as believers, and an additional natural interest in relevant truths. Unlike before, though, this move is not available at this point: there is no normative statement of the form "only relevant beliefs are correct" or the like, at least not in our veritist theory so far. To assume something like that has two consequences: on the one hand, it would mean to give up explaining where the significance comes from and instead just stipulate significance or interest on the grounds of accordance with intuition. On the other hand, this seems like a departure from value monism: Apart from truth, there is an additional fundamental value, significance. Both options don't seem perfectly viable for the veritist.

Goldman (2002, 61) opts for just stipulating significance in the form of interest: „Let us just say that the core epistemic value is a high degree of truth-possession on topics of interest“. He agrees that this make the core value compound or complex in some

manner, but then states that this does not challenge the thematic unity of his virtue theory. The latter part is sound, given that Goldman is in search of some „weak thematic unity“ of values that underpins his virtue-based account of epistemic normativity¹⁴. But, alas, for the committed veritist this is not a serious option, in my opinion. The only ontological commitment that the veritist is prepared to make in the realm of epistemic values is true, or accurate, belief, and not some additional qualification like not properly motivated interest.

Ahlstrom-Vij and Grimm (2013, 332) first argue that intuitions about significance are trivially compatible with veritism, we just need to emphasize the point that not all true beliefs but only true beliefs are epistemically valuable, incorporating the possibility that some true beliefs are of no value at all. This commits to holding that believing (2) is not epistemically valuable, whereas believing (1) is, and thus accounts for the difference in intuition. This leaves open the question of what it is that distinguishes worthless types of belief from valuable ones. To address this, Ahlstrom-Vij and Grimm (2013, 334) suggest that “significance measures the degree of epistemic value as a function of the extent to which the relevant true beliefs speak to inquiries that we deem worthwhile, either on practical grounds or on account of intellectual curiosity.” They don’t stipulate an additional epistemic value, but instead give a belief’s significance the status of a property of belief, that somehow connects true beliefs with their assigned epistemic value. They make it explicit that this is not an existential commitment as this is not a property in the ontological sense but instead the measure by which we, as human beings, value true beliefs. So it is in virtue of significance that values come in degrees. This would be quite convincing, in my eyes, were it not the practical grounds that they grant to significance. As outlined above, this does not seem to add to epistemic value at all. Additionally, it still does not *explain* significance other than through being a primitive property of human nature or of ideal inquiry or give any kind of criterion as to how this might be determined. Another issue is the compatibility with degree of beliefs. Granted, this idea is not designed for and probably has to be augmented to fit the model of degree of beliefs. As in this model, accuracy as a measure of how much the degree of beliefs agrees with the actual truth value already provides numbers for the value, it is unclear as to how the significance play into this.

3.3.2 Proposal for a Veritistic Response

Both accounts are somewhat useful. However, below I argue that considerations of practical value do not play a role in epistemic evaluation. Furthermore, maybe there is a account of truth-directed value that takes into account the significance of belief as

14. It may seem surprising that I talk of virtue epistemology in this context since Goldman is a prominent externalist and process reliabilist. The theory he proposes is a complex hybrid which I don’t discuss here.

an objective notion. I address how this might avoid diluting veritism to a pluralistic position.

What is the exact distinction between values in general and merely epistemic values? Epistemic values pertain to epistemic concepts like knowledge, justification and truth. But is that a division of values that is actually consistent with actual language or just some conventional means to divide and conquer the problem? Speaking from an evolutionary standpoint, it seems likely that we as humans are fitted with a natural goal of believing what maximizes our chances of survival. In most (if not all) cases, this goal coincides with believing what is true. But conceptually, these two are not the same. There may be cases where it would be best from a survival perspective, to believe that there is a predator in the surroundings, even when there is not, and so to believe falsely. So to purport the actual, final value of beliefs as being true seems, if not fat-fetched, at least somewhat *artificial*. It is a very useful distinction, however, as the epistemologist can free her reasoning from any practical considerations that would otherwise be still on the table. However, if epistemic value *is* artificial it might also not be what guides our intuitions about thought experiments. These intuitions may not share this artificial division of goals and instead subsume epistemic evaluation under some, probably more practical, goals. I propose that these or some other not merely epistemic intuitions are what guides our evaluation in some cases. Sentence (2) is considered of no or low value mainly because it is of no general practical value. So in some cases, our intuitions about epistemic value are actually intuitions about practical value. This has the consequence of accepting that there are cases in which it seems obvious which of the beliefs is of more epistemic value, but the theory giving contrary results. One might object that these alleged practical considerations are actually epistemic considerations in which truly believing something now leads to more true beliefs in the future. This is a complicated story, which I address in section ??.

But in other cases, there might actually be an objective difference in significance in the purely epistemic sense. So it is not that I would give up on *all* intuitions about different epistemic values of beliefs. And this may actually be the case for lots of cases, not just some. This notion of significance starts with observing what we actually mean when we compare values of beliefs. A straightforward approach would count each true belief. The higher the counter, the higher the value! This is pretty naive and of course fails to do justice to the intuitions on (1) and (2). But it fails even earlier. Considering the meaning of (2), what is expressed is actually a number of propositions. That there exists a memorial, that memorial is dedicated to David Hume, that people visited it, that the number of people that visited it is odd. Now believing all that amounts to four beliefs, so it would be four times as valuable. Now, I stated earlier, that believing *P* is not necessarily equivalent to believing some proposition equivalent to *P*, but the *value* is. So just in grasping what the actual contents of the belief are, the belief's value is raised.

This might point to the idea that the value of a belief is reduced to the accumulated value of the atomic propositions that it contains. Hence, is it necessary to provide a complete logical analysis to ascertain the value of a belief. That does not seem like a desirable position to take. However, I merely want to offer a view of the direction where this could lead, and what its advantages would be¹⁵. Compare the sentences: “All ravens are black“ and „this raven is black“. Which is more valuable to belief truly? Apparently, the general statement is. Since it says a lot more about [things, the world] believing it is in value equivalent to a lot more true beliefs than the singular sentence is¹⁶. This would also account nicely for why we value (1) more than (2): To grasp what it means that the universe is expanding at an accelerating rate is to have a working knowledge—or at least idea—of what the universe consists of, that things and concepts like stars, planets, velocity and gravity have something to do with it and so forth. All these things get something attributed to it, and that possibly indefinite conjunction of propositions is equivalent to just stating (1).

Or consider this prominent objection: If true belief is the only valuable thing, then can't I just raise the value of my epistemic situation by taking all my true beliefs, and then belief all permutations of conjunctions of them, and thus increase the number of my true beliefs manifold? Well, on this account, since each of these conjunctions derives their value in full only from the value of their true conjuncts, they don't provide any additional value.

What with someone who doesn't understand the meaning of a sentence? Say I just heard (1), and now truly believe it, but do not understand what that actually means, entails, or coheres or doesn't cohere with. Would we still be inclined to say that this person is in an epistemically valuable position? I don't think so. Immediate objection: Now the significance of a belief is again relative to a subject's own peculiarities, this time the epistemic value is dependent not on the subject's personal interests but on the subject's level of understanding of the target belief. This looks like it would lead to a subjective conception of epistemic value, and as argued above I don't think that desirable. All is not lost, however. Consider the description of accuracy veritism in section 3.1. Here, the amount of value a subject accumulates per belief depends on the accuracy of that

15. The only paper so far that I found proposing a similar approach to the one presented is Treanor (2014). He proposes that believing something like (1) is just believing *more truths* and hence more valuable. He claims that for the objection to rebut teleological accounts of epistemic normativity it would have to present two sentences that contain a very similar amount of truth, and still generate the needed difference in intuition about their epistemic value. See footnote 16 for a possible counterexample. However, he also states that this method of quantifying the significance of a belief is somewhat elusive. It is easy to see that the vague nature of language makes this approach difficult.

16. This of course leaves much to be desired. First, it is not uncontroversial what the actual contents of a belief are. Second, consider negative Statement like “there are no unicorns“. What is the actual truthmaker in the world? Then consider: “There are no black holes“. Doesn't the second seem a lot more epistemically valuable? How could that be explained? A proper account would have to deal with these kinds of issues as well, I think

belief. But is the concept epistemic value thus subject-relative? It is not, I propose, if we take what it means to completely grasp a belief to be constituted in full by what the content of the belief *actually* is fully realized by. So a claim about the significance of a belief would be a claim about the richness of its content, about how much it has to say. The actual degree to which this significance is appreciated by the subject then depends on its level of understanding of the content of the belief. The understanding of the belief is then a means to more true belief. This explains why understanding is not valuable for its own sake in this sense, instead understanding is only instrumentally valuable to arrive at more true beliefs. Given a full understanding of the contents of a true belief, the subject fully realizes the beliefs value. In other words, the significance of a true belief is dependent on the beliefs content and influences its potential epistemic value. The degree to which a subject understands the belief influences the actual epistemic value of a belief. I argue that in problematic cases concerning the intuition about values of beliefs with different significances, the person stating her intuition has enough grasp of the given propositions to notice a profound difference in significance to come to the conclusion that one belief is more epistemically valuable than the other. So we don't need to assume perfect understanding to ascribe the ability to make judgments about it but just enough understanding to generate a clear sense for the comparative difference.

Of course, this approach in the current form is naive at best. How that should exactly work is beyond unclear at this point. But I think this approach lacks most flaws of the other accounts presented and is sound enough to explain the problematic intuitions about (1) and (2).

[perhaps note that dretske transferred shannons theorem on INFORMATION into epistemology and point that out for a possible approach of sketching a more exact notion.]

3.3.3 Summary

4 Veritistic Accounts of Epistemic Norms

Is there a single deontic norm of belief that is both plausible non-contradictory? With just a single norm, it is difficult to capture the range of intuition about norms of belief that seem to exist. With more than one norm, this can be easier, but then there could be cases where the norms contradict. Which norm overrules the other, then? Can such an ordering be sensibly made at all?

4.1 Can There Be Norms of Belief at All?

4.2 axiological / deontic part. Perhaps list desiderata from ahlstrom, or taxonomy by Berker

4.3 If so, how plausible are they? Perhaps see Chisholm (quoted in Goldman (2002))

4.4 Doxastic Voluntarism and Ought Implies Can

5 Veritistic Accounts of Epistemic Justification

5.1 General Structure of a Veritistic Normative Framework (Berker)

5.2 Compatibility with Internalism / Externalism

5.3 Process Reliabilism

5.4 The Value Problem

One fundamental premise of the argument is that knowledge is more valuable than truth. Or more specifically, that the situation in which S knows that P has more value than a situation in which S merely truly believes that p . As argued by Grundmann (2008, 35-38) in fregean spirit, the truth of a belief is a property of the belief provided by its propositional content. Since a belief can only have one particular propositional content, the truth value of the proposition it is expressing is its sole source of direct value. Knowledge, on the other hand, does not seem to be a mere property of belief. Knowing that P entails something else than just to have some belief that has the property of *qualifying as knowledge*, or however you want to call it. Knowledge is a complex composite with one of its components being true belief¹⁷. On one of the more plausible conception of knowledge compatible with process reliabilism and hence veritism called safety, a necessary condition for S to know that P is that in each of the nearby relevant worlds, If S believes that P , P is true. Bracketing out what is meant by *relevant* and *nearby*, what strikes me as uncontroversial is that the truth of P in other possible worlds can't be plausibly said to constitute properties of the belief that P . Instead, it is something else (whatever it is), that in conjunction with the true belief that P instantiates knowledge. So when asking if knowledge is more valuable than true belief, instead of evaluating just the belief and its properties one needs to evaluate this

17. Of course, this is a highly controversial claim, argued against by many, most prominently by Williamson (2000)

against Stapleford (2016, 291):

The epistemic domain is defined by the concept of knowledge. The concept is complex and it corresponds not to a single fundamental value but to a configuration of values, one fundamental and one (or more) derivative. Epistemic value is best thought of as a hybrid comprising the fundamental value of truth and the derivative value of justification.²⁴ If this is right, then the objection misses the mark. Just as an authenticated painting has no more aesthetic value than an unauthenticated one, a justified true belief has no more alethic value than an unjustified true belief. But it does have more epistemic value.

This is incompatible with veritism according to which true belief is the only fundamental epistemic value. In Stapleford's account, it would only be the only fundamental alethic value. The hybrid comprising truth and justification is of fundamental epistemic value, and truth has epistemic value only derivatively, just as justification only has epistemic and alethic value derivatively.

With Stapleford (2016): To see how justification secures true belief against loss, consider what it's like to believe *P* truly without justification. Suppose that you believe *P* because *P* was suggested to you when you were drunk and it seemed like fun at the time.²⁹ This leaves your belief that *P* particularly susceptible to non-evidential influences and thus liable to random fluctuation. Say we try to coax you out of it: 'Hey, we all believe not-*P*. Why don't you? *P* sucks!' If you didn't have any good reason for believing *P* in the first place – if you just took it on a whim – then you have no good reason to stick with it now. You can drop *P* without a second thought. Whereas if you believe *P* with justification, you'll think: 'Why should I do that? *P* seems to be true. I am justified in keeping it.' Justification thus gives your belief that *P* an added layer of protection against inadvertent or arbitrary loss.

This seems to be a reasonable approach to stability of belief.

5.4.1 Value Problem aka Meno Problem aka Swamping Problem (Show differences). Explain what it is and why it hurts veritism

5.4.2 Discuss how it could be solved in combination with accounts of justification (for example reliabilism) see Goldman/Olsson

5.4.3 Own Discussion of a solution (perhaps from modal stability)

5.4.4 The solution? Is there a solution without reliabilism, i.e. generic?

5.5 The Berker/Goldman debate on veritism

5.5.1 Problems that Berker (2013) raises

5.5.2 Answers that Goldman gives

5.5.3 This does not solve the problem for the veritist in general. Even without deontic definition, this problem arises(?)

5.5.4 Berker divides consequentialist theories in three parts: theory of final value, theory of overall value, and a deontic theory, as opposed to just

divide into axiological and deontological considerations.

5.5.5 Explain IN DETAIL what this means.

5.5.6 For all (most) consequentialist theories a problem arises with firth-style cases.

5.5.7 Explain IN DETAIL what these cases are, what and how the problem arises for the consequentialist theories

5.5.8 Explain shortly what the reliabilist (i.e.) Goldman replies.

The case intuition seems uncontroversial, however, it has also been empirically corroborated Andow (2016)

6 Conclusion

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