



Revisiting the Social Origins of Human Morality: A Constructivist Perspective on the Nature of Moral Sense-Making

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Abstract

A recent turn in the cognitive sciences has deepened the attention on embodied and situated dynamics for explaining different cognitive processes such as perception, emotion, and social cognition. This has fostered an extensive interest in the social and ‘intersubjective’ nature of moral behavior, especially from the perspective of enactivism. In this paper, I argue that embodied and situated perspectives, enactivism in particular, nonetheless require further improvements with regards to their analysis of the social nature of human morality. In brief, enactivist proposals still do not define what features of the social-relational context, or which kind of processes within social interactions, make an evaluation or action morally relevant or distinctive from other types of social normativity. As an alternative to this proclivity, and seeking to complement the enactive perspective, I present a definition of the process of moral sense-making and offer an empirically-based ethical distinction between different domains of social knowledge in moral development. For doing so, I take insights from the constructivist tradition in moral psychology. My objective is not to radically oppose embodied and enactive alternatives but to expand the horizon of their conceptual and empirical contributions to morality research.

Keywords Moral psychology · Social normativity · Moral sense-making · Constructivism · Enactivism

1 Introduction

A recent turn in the cognitive sciences has deepened the interest in embodied and situated dynamics for explaining different cognitive processes such as perception, emotion, and social cognition (Varela et al. 1991/2016; Prinz 2007; Gigerenzer 2008; Thompson 2010; Chemero 2011; Stewart et al. 2014; Haidt 2013; Colombetti 2017; Shapiro 2019; Asma and Gabriel 2019). This has fostered an extensive interest in the ‘intuitive’ nature of our moral behavior in moral psychology and philosophy (Dreyfus and Dreyfus 1991; Varela 1999; Prinz 2006, 2007; Greene 2001, 2007; Haidt 2001, 2013). Furthermore, proponents of the enactive theory of cognition have highlighted the relevance of second-person interactions and intersubjectivity for properly explaining human morality (De Jaegher and Di Paolo 2007; Colombetti and Torrance 2009; Urban 2014, 2015;

van Grunsven 2018; Bergmann and Wagner 2020). From this perspective, moral judgments and moral behavior are embodied in nature, built upon emotional and automatic processes, and are always embedded in concrete social-ecological contexts.

Nevertheless, these perspectives still face important challenges associated with their analysis of the social origins of human morality. In this paper, I argue that these theories leave room to further define what features of the social-relational context, or which kind of processes within social interactions, make an evaluation or action morally relevant or distinctive from other types of social normativity. More precisely, it is still unclear if these models consider the development of moral concerns and judgments as a simple matter of social conformity, or if developing, learning, and understanding a moral norm (e.g., not to harm others and respect the dignity of persons) is the same as developing, learning or understanding any norm established by a group to organize their social life (e.g., how to dress properly according to the standard of a community). In what follows I reflect on these concerns, offering a complementary perspective. My objective is not to radically oppose embodied and enactive alternatives but to expand the horizon of their

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conceptual and empirical contributions to morality research. For doing so, I take insights from the constructivist tradition in moral psychology and explore the potential articulation between this tradition and the perspective of enactivism.¹

This paper has four sections. In the first section, I will briefly discuss the basic arguments of embodied and enactive approaches in morality research. In the second section, I will elaborate on an argument showing how the philosophical background of enactive proposals makes them adopt an ambiguous perspective on the social origins of morality. This ambiguity occasionally comes linked with social determinism, which demands a clearer definition of what morality is in the first place. In the third section, I expose the basic principles of the constructivist tradition in moral psychology and evaluate its potential connections with the enactive tradition. Accordingly, I explore the distinction between different domains of social knowledge during human development and present a definition of the process of moral sense-making that I consider relevant for the enactive perspective. In the final section, I extend this contribution finishing with a pertinent reflection on the role of reasoning in human morality.

2 The ‘Embodied’ Turn in Moral Psychology and the Enactive Approach

A recent turn in the cognitive sciences has deepened the interest in the intuitive nature of our moral behavior and the relevance of second-person interactions and intersubjectivity for explaining human morality (Varela 1999; Prinz 2007; Haidt 2013; Colombetti and Torrance 2009; Urban 2014, 2015; van Grunsven 2018; Bergmann and Wagner 2020). One common feature of these models is their claim about the necessity to overcome the limitations of ‘rationalist’ approaches in moral psychology, traditionally associated with classical evolutionary and developmental models (Piaget 1932/2013; Kohlberg 1984). In brief, it is claimed that traditional moral psychology focused exclusively on the role of individual reasoning, cognitive control, and artificial moral problems for explaining the nature of moral concerns and judgments (Varela 1999; Colombetti and Torrance 2009; Haidt 2013; van Grunsven 2018; Bergmann and Wagner 2020). This turn is the outcome of an empirical finding, namely, that human moral judgments

have consistently shown to be the result of automatic processes that just after being realized, pave the way to slow, conscious moral reasoning and justification (Haidt 2001, 2013; Prinz 2007; Gigerenzer 2008; Greene 2007).

Conversely, embodied perspectives seek to develop a plausible theory of human morality taking into consideration two main theses: the ‘automaticity thesis’ and the ‘anti-rationalist thesis’ (Sauer 2017). The ‘automaticity thesis’ considers the fact that moral judgments “...are not based on critical reflection, but on uncontrolled, emotionally charged states of intuitive (dis)approval” (ibid, p. 52). The ‘anti-rationalist’ thesis has it that reasoning plays no significant role in morality and moral judgment since reasoning is just a subordinate process of confabulating justifications that come after the elicitation of pre-reflective and automatic intuitions. In this picture, moral reasoning is a kind of “post-hoc” justification that supports intuitive judgments (Haidt 2013).²

However, embodied approaches diverge despite their convergence in the adoption of the automaticity and the anti-rationalist theses, especially concerning the origins of our moral intuitions and their degree of flexibility (Bergmann and Wagner 2020). For instance, some authors from the fields of social and cognitive psychology have defended a vision in which moral embodied intuitions are evolutionary adaptations and innate mechanisms that evolved as inflexible reactions to features of the social environment. In the social intuitionist model and the ‘moral foundations’ theory proposed by Haidt (2013), morality is the result of innate dispositions of the human species and supposes the natural outcome of different domain-specific adaptations, which evolved in ancestral scenarios of cooperative interaction to solve certain social and cooperative challenges (Graham et al. 2013). These moral intuitions are *triggered* by stimuli from the social environment and are the object of cultural modulation during development (Haidt and Bjorklund 2008, p. 206).

The ‘Evolutionary Developmental Model’ (EDM) of human morality recently proposed by Buchanan and Powell (2018), is also an example of a naturalistic theory that explains morality along with the evolution of adaptive intuitions shaped by specific features of the human social

¹ This work is focused exclusively on the tradition of constructivism in moral developmental psychology, initiated by Piaget (1932/2013), and expanded by Kohlberg (1984) and Turiel (1985). Therefore, this work makes no reference to the tradition of *metaethical constructivism*. Constructivism in metaethics could be traced back to the seminal revision that John Rawls made of Kantian ethics (Rawls 1980), and grounds the philosophical work of Korsgaard (2003), Street (2010) or Bagnoli (2016).

² Such an embodied approach to morality is already present in the proposals of classical philosophers, in the west and the eastern tradition, who proposed that human reasoning is just a slave of the passions and that we are always embedded in habitual behaviors that do not need a constant cognitive control or reasoned planning. Accordingly, ethical expertise would be the result of embodied, intuitive, and concrete situated processes, and not the outcome of rational deliberation and the manipulation of abstract information. This is the line of thought of ‘wisdom’ traditions like Confucianism, Taoism, and Buddhism (Gordon et al. 1999; Varela 1999; Shun and Wong 2004; McCarthy 2010), and also the view of morality proposed by the Scottish enlightenment philosophers (Hutcheson 1725/2014; Smith 1759/2010).

environment. According to the EDM, human morality evolved as an adaptively plastic trait since it shows different patterns of ‘exclusivist’ and ‘inclusivist’ tendencies depending on the presence of certain features in the social environment.³ For instance, the expression of exclusivist moral tendencies (e.g., parochial prosociality, intergroup competition, ingroup bias) would be an automatic response triggered by the presence of certain environmental features in the developmental niche of human individuals, that would resemble the ancestral environments of human evolution: the presence of ‘out-group threat, competition for resources, or disease transmission (Buchanan and Powell 2018). On the other hand, inclusivist tendencies would emerge when the environmental features that usually trigger exclusivist responses are absent.⁴

From an arguably different embodied perspective, the enactive tradition has proposed that human morality requires what might be called ‘ethical know-how’ or the expertise of those individuals who intuitively know how to act in a given morally relevant situation. The enactive approach proposes that cognitive agents do not represent and process information from a world full of already given meaning, but ‘enact’ or ‘bring forth’ knowledge through their embodied and situated interactions with the world (Varela et al. 1991/2016). Following the ideas of Jean Piaget, pioneer enactive theorist Francisco Varela claimed that “the world is not something that is given to us but something we engage in by moving, touching, breathing, and eating. This is what I call cognition

as enaction since enaction connotes this bringing forth by concrete handling” (Varela 1999, p. 8).⁵ De Jaegher and Di Paolo (2007) have also argued that “natural cognitive systems are simply not in the business of accessing their world in order to build accurate pictures of it. They actively participate in the generation of meaning in what matters to them; they enact a world” (p. 488).

These assumptions apply to the case of human morality, for morality is based upon embodied habits that have been cultivated in concrete contexts of social interactions (Varela 1999). This is the most fundamental contribution of enactivist theories since human morality has a socially situated nature. The enactive perspective defends the idea that all human forms of cognition have a social origin. For explaining this, recent enactivist theorists have proposed the concept of ‘Participatory sense-making’, which is defined as “the coordination of intentional activity in interaction, whereby individual sense-making processes are affected and new domains of social sense-making can be generated that were not available to each individual on her own” (De Jaegher and Di Paolo 2007, p. 497).

Starting from the idea of participatory sense-making, the enactive tradition has focused its research on the intersubjective nature of human forms of cognition in general, and social cognition, social normativity, and ethical behavior in particular (De Jaegher and Di Paolo 2007; Colombetti and Torrance 2009; Urban 2014, 2015; van Grunsven 2018; Di Paolo et al. 2018). Accordingly, social normativity and human morality are explained as the result of ‘participatory sense-making’ or the process through which cognitive agents jointly generate new meanings and make sense of the world through coordinated interactions.

To sum up, certain naturalistic and philosophical models have proposed pictures of human morality based upon the relevance of embodied judgments and intuitions for the expression and realization of moral judgments and actions. These models sometimes differ in their conception about the degree of flexibility of our moral judgments. As a consequence, some versions within the movement have opted to highlight the essential role of interpersonal and social factors for moral judgments to develop in human individuals. This is the case of the enactive tradition and its focus on ‘participatory sense-making’ processes and the intersubjective

³ In the scientific and philosophical literature on the matter, exclusivist moralities refer to those based on moral concerns and motivations that are limited by the boundaries of groups and configure a parochial sense of prosociality. Inclusivist moralities, conversely, would be those that “...reject group-based restrictions on moral standing and moral status” (Buchanan and Powell 2018).

⁴ According to this model, the emergence of inclusivist moral concerns or the possible erosion of inclusivist moralities would be the consequence of two factors: (a) the concrete physical ‘presence’ or ‘absence’ of the ancestral harsh conditions that usually trigger exclusivist responses in humans (e.g., out-group threat, competition for resources, and disease transmission), or (b) the social manipulation of beliefs, that makes people think that these features are present or absent in the environment. In the end, the expression (or suppression) of exclusivist moral tendencies are just the result of the activation of ‘evolved cognitive biases’ or pre-reflective intuitions and evaluations, such as the ones involved in the basic human tendency to essentialize human groups. As a consequence, Buchanan and Powell have claimed that inclusivist morality is a ‘luxury good’, that “it is only likely to be widespread and stable in highly favorable conditions”, and that “inclusivist gains can be eroded if harsh conditions reappear or a significant number of people come to believe that they exist” (2018, p. 188).

⁵ It surprises why Varela rejected the constructivist account of moral development that Piaget developed in ‘*The moral judgment of the Child*’ (1932). Contrary to what Varela suggests in his book ‘*Ethical Know-How*’ (1999), the study of Jean Piaget was one of the first attempts to study morality in concrete situations of social interaction, and the first to conceptualize morality as the result of an active construction derived from the social interactions that children have with their peers and parents. It is also negatively surprising that the only reference that Varela did to Piaget’s work on moral development was a quote taken from the first page of his book.

nature of morality. However, this ‘intersubjective’ or ‘social’ turn has led to ambiguous considerations around the social origins of moral behavior and an unclear definition of the moral domain or the process of moral sense-making. In the next section, I consider these limitations.

3 On the Social Nature of Human Morality

In a recent article, Bergmann and Wagner (2020) have developed a parsimonious summary of the embodied and enactivist thinking in the field of moral psychology. In this work, the authors name a ‘moral fiction’ the idea of reason-based moral judgments and claim that moral actions are not the result of reasons or reason-based judgments but pre-reflective evaluative processes. Additionally, they attempt to complement the main shortcoming of the intuitionist and embodied models, namely, their inability to account for the flexibility of our pre-reflective judgments in the moral domain.

For instance, when describing the flexibility of the embodied pre-reflective evaluations that make moral judgments and actions possible, Bergmann and Wagner claim that “...we have specific repertoires of interaction possibilities in specific relational contexts, and, thus the concrete occurrence of an embodied judgment depends on how an agent relates to a specific state of affairs, as well as which embodied judgments this agent has cultivated in this specific relational context” (2020, p. 2).

The previous statement is pervasive in most enactivist proposals around the nature of human morality. For instance, Di Paolo et al. (2018) have stated that “the ethical stance is a practical one, a type of ethical know-how. We should think of it as a form of expertise, like riding a bicycle, with the double implication that we can be more or less ethically skillful and that our ethical attitudes are often pre-reflective” (p. 310). This is also the perspective defended by Francisco Varela, who claimed that: “...we acquire our ethical behavior in much the same way we acquire all other modes of behavior: they become transparent to us as we grow up in society. This is because learning is, as we know, circular: we learn what we are supposed to be in order to be accepted as learners. (...) it is clear that an ethical expert is nothing more or less than a full participant in a community: we are all experts because we all belong to a fully textured tradition in which we move at ease.” (1999, p. 24).

As it happens alike with the concept of ‘participatory sense-making’ (De Jaegher and Di Paolo 2007), these sentences sound a plausible explanation of the embodied nature of human social relationships, or about how human individuals establish different domains of normativity and divergent ideas of what does it mean to live a ‘right’ and ‘virtuous life’. However, there is no clear definition of which kinds

of interaction are morally relevant from a particular ethical point of view. This makes elusive the consideration about what would differentiate, if possible, morality from other domains of social normativity. In the end, their attempts result in ambiguous considerations about the social nature of human moral psychology that demand a clearer definition of what morality is in the first place.

In the case of B&W, they seem to approach the question by claiming that “the experience of the rightness of an action that drives a person to act depends on the sensorimotor interactions that have cultivated an agent’s perspective on the world” (2020, p.1), that “people experience the permissibility of their actions depending on their specific repertoire of sensorimotor expertise” (ibid, p. 7), or that “a cognitively adequate ethical analysis has to focus on the appropriateness of a judgment in a relational context and the appropriateness of the relational context established” (ibid, p. 9).

However, it is not entirely clear what features of the relational context or which type of the ‘sensorimotor interactions’, ‘participation’, or ‘expertise’ that have cultivated a “subject’s perspective of the world” would be morally relevant (or even morally correct) according to these perspectives. In what follows, I will try to persuade the reader to agree on why embodied and enactive theories in moral psychology should be more concerned with the adoption of a clearer definition of moral normativity, at least if they attempt to contribute to current debates in normative ethics. To make this clear, consider these different ethically relevant actions that owed to the sensorimotor interactions, expertise, and narratives that have cultivated a ‘subject’s perspective of the world’, might be considered “permissible” or “appropriate” to perform in a given context.

- (1) A young adult living in a poor neighborhood of a capital city kills someone to steal their mobile phone.
- (2) A crowd of people lynches the murderer involved in action one.
- (3) A group of adolescents steals a wallet from a person who is not taking care of their belongings.
- (4) In a community, women are condemned to punishment and isolation when they menstruate.

All these are instances of morally relevant actions if we adopt a definition of moral action as an action that is considered appropriate or permissible in a concrete context of interpersonal and communitarian relations. For instance, following the premises of the social intuitionist model of Jonathan Haidt (2013), all these actions could be interpreted as belonging to the human moral domain since they are practices that can be considered both right-appropriate or wrong-inappropriate in concrete relational contexts where our adaptive intuitions (e.g., fairness, loyalty, authority, purity) have

been cultivated through particular forms of “assisted externalization” (Haidt and Bjorklund 2008, p. 206).

Strictly following the terms of some enactivist proposals, these actions might be considered ‘permissible’ or ‘appropriate’ according to different worldviews that persons might have cultivated through their sensorimotor interactions and social expertise. In the first case, from the perspective of a young adult individual who grew up in an extremely unequal and violent context of a capital city, it may feel appropriate to kill someone to steal a mobile phone, as a way to restore social injustice. In the second case, given the increase of insecurity and hostility in the city where the young criminal lives, a huge group of citizens increasingly support the idea that thieves and murderers do not deserve to live and consider it permissible and appropriate to torture or kill these criminals to prevent future crimes. In the third case, a group of adolescents has cultivated a worldview according to which a person is justified to take advantage of other persons if they give you the chance to do so. The fourth case just exemplifies the violation of basic human rights in the name of a concrete religious or ethnic tradition.

Nonetheless, if we assume that any act considered appropriate or correct in a certain relational context belongs to the domain of morality –for instance, those related with ‘obedience’, ‘divinity’ or ‘purity’ according to the model of Haidt-, “...we would have no criteria for calling into question the moral validity of any rule offered as divine” (Nucci 2016, p. 293). In the end, as an example, the capture, enslavement, rape, or killing of people for religious reasons, would not be the object of condemnation if we assume that they are the concretization of genuine moral intuitions and the product of relational contexts in which these intuitions are embedded.

At this point, it is fair to question if, for most embodied and enactive approaches, learning and developing a social norm or a socially cultivated behavior is equivalent to learning or developing a moral concern, judgment, or norm. Following the distinction of Hindriks and Sauer (2020), enactivist approaches seem to have been worried about the domain of ethics, this is the values, norms, and ideals that are worthy of adoption and adherence in a given community depending on how they conceive of the good life (Scanlon 1998; Hindriks and Sauer 2020, p. 10). However, there is an absence of a clear narrative about how our moral concerns could be distinguished from other forms of social normativity.

This is not an unfounded concern, for most embodied and enactivist perspectives discussed so far sympathize with ‘communitarian’ approaches in political philosophy, in western (MacIntyre 1981/2014; Taylor 1989), and eastern traditions (Yearley 1990; Varela 1999). These communitarian approaches endorse a collectivistic narrative that arguably calls attention to the relevance of conformity, obedience, and attachment to social and conventional normativity in the development of morality, as a way to react to the ‘atomistic’,

‘individualistic’ and ‘disembodied’ perspective of liberal political philosophy and the ideology of the western culture.

For instance, according to Haidt (2013), the science of human morality in the west suffers from a ‘rationalist delusion’ that narrowed down the moral domain to an issue of ‘well-being’ and ‘justice’, individualistic cultural values of the “liberal western world”. A morality just based on the principles of care and fairness, Haidt claims, is a WEIRD morality exclusive to “western, educated, industrialized, rich, and democratic” contemporary societies. Haidt’s critique is based on the idea of ‘three moralities’ of ‘autonomy’, ‘community’, and ‘divinity’ proposed by Richard Shweder (Shweder et al. 1997) who was himself a supporter of the communitarian approach of MacIntyre (1981).

Shweder is also well-known for his critiques of the constructivist tradition proposed by Lawrence Kohlberg (1981) since for Kohlberg, he expressed, “the history of the world and the history of childhood (in all societies) is the story of the progressive discovery of the principles of the American Revolution” (1982, p. 421). Furthermore, based on the work of MacIntyre, Shweder claims that “the modern secular individualist, having lost his concept of the ends (the telos) of life and having conceived of the self as either prior to or outside society and community, is left with no fixed reference point for constructing a rational moral code” (1982, p. 422).

Some enactivist approaches to morality and ethics have explicitly expressed a theoretical sympathy with the communitarian assumptions of these theorists, particularly MacIntyre (1981), Taylor (1989), the Confucianist tradition (Yearley 1990), and more recently Haidt (2013). This is particularly explicit in the seminal work of Varela (1999), and also in subsequent approaches, the most recent being Bergmann and Wagner (2020).

Naturally, most of embodied and enactive perspectives identified with these statements should reply by saying that their main philosophical and scientific objective is just to *describe* morality according to what people consider as morally relevant in historically-sensitive social interactions, and not to inquire about *what morality is* (or ought to be), or *what we ought to do*. However, a social situationist perspective is not a *normative impartial* ethical theory if it says nothing about what distinguishes the moral domain from other domains of social normativity, or leaves unexplained the relevance of individuality and non-conformity in the configuration of justifiable moral concerns and evaluations (Killen 2018, p. 769).

As an alternative to this proclivity, and seeking to complement the enactive perspective, I claim that it is useful to clarify further what defines morality in the first place and what distinguishes moral normativity from other domains of social normativity. To do so, I will explore the potential contributions of the constructivist tradition in moral psychology, which defines morality based on normative individualism

or the idea that persons are the ultimate units of moral concern (Beitz 1999; Jones 1999). A descriptive perspective based on normative individualism is not incompatible at the explanatory level with the role of interpersonal bonds or social interactions in moral development and learning. Some proposals within the enactive tradition have even inquired around this matter, starting a fruitful articulation between enactivism and the ethics of care (de Jaegher 2013; Urban 2014, 2015; van Grunsven 2018; Loaiza 2019; Métais and Villalobos 2021).

The next section is dedicated to exploring the articulation of enactivist ideas with the constructivist tradition in the study of moral development. This tradition has been considered the ‘rationalist’ and ‘atomistic’ stance in moral psychology par excellence. However, I will show how it perfectly complements enactive accounts offering a concrete definition of the domain of moral normativity and explaining the development of moral concerns and judgments during ontogeny. This is crucial, for it establishes the background for an empirically grounded enactive conception of moral sense-making. The adoption of some of the ideas of the constructivist tradition is essential for enactive perspectives to properly address conceptual and descriptive challenges to their perspectives.

4 Defining the Moral Domain and the Process of Moral Sense-Making

Some authors within the ‘enactive tradition’ have recently defended the convergence of enactivism with the tradition of ‘care ethics’ (Gilligan 1982/2006; Noddings 2013; Tronto 1993; Held 2007). According to this line of thinking, the domain of moral concerns and norms should be found in the processes of ‘caring’ and ‘respecting’ the well-being, needs, and vulnerabilities of persons. Such a description certainly helps to distinguish the development, learning, and understanding of morally relevant concerns or norms from the development, learning, and understanding of non-morally relevant social normativity.

It is at this point where the constructivist perspective in moral developmental psychology offers a relevant source of theoretical insights and empirical evidence to the enactivist, especially for explaining the process of moral development, or moral sense-making. The constructivist tradition (i) especially elaborates a meaningful definition of morality as a domain of concerns, judgments, and norms that specifies how we ought to treat others in social interactions, (ii) offers a clarification of the relationship between the affective domain and a particular view of human rationality, and (iii) contributes to an overall non-reductionist perspective that eschews erroneous dichotomies between nature and nurture, intuition and reasoning, and self and community.

To begin with, from a constructivist perspective, moral concerns, judgments, and norms are neither the result of the expression of innate adaptive intuitions nor the product of social conformity and a simple process of mirroring the normativity that communities have established to organize their social life. Instead, human individuals construct moral concerns and judgments during social interactions (Piaget 1932/2013, 1977/2015; Damon 1977; Kohlberg 1981, 1984; Turiel 1985; Smetana 1984, 1989; Carpendale et al. 2013; Carpendale and Hammond 2016; Dahl et al. 2017; Dahl and Killen 2018a, b; Dahl and Paulus 2018; Dahl 2019).⁶

This idea of morality as constructed in social interactions complements the focus of enactivism in the second-personal origins of morality and is also perfectly complemented by the definition of social interactions according to enactivism. Therefore, social interactions are conceptualized here “...not merely (as) places where the individual and cognitive meet the social and cultural. Social interactions, and the practices they underpin, are the kiln where both culture and cognition are forged; they are a *source*,⁷ not a meeting point” (Di Paolo et al. 2018, p. 133).

The central story in the study of morality is, therefore, how morality develops during early childhood through social interactions, and how children develop an understanding of morality as a distinctive form of social knowledge (Smetana et al. 2018). Contrary to this idea, innatist alternatives in developmental psychology have proposed that human beings come with a natural capacity to evaluate prosocial and anti-social agents, in brief, innate social preferences (Hamlin et al. 2007; Bloom 2013; Hamlin 2013). On the other hand, according to socialization theories, the development of moral concerns and judgments is just a matter of conformity (Bandura and McDonald 1963; Kochanska 1993; Day and Tappan 1996; Grusec et al. 2014). However, in socialization theories “...the child is assumed to passively adopt and follow local social norms, and thus morality is equated to conformity. Such accounts are problematic because they do not explain how moral norms initially develop. This position also entails relativism because morality is reduced to conforming to current local beliefs with no way to evaluate the moral beliefs of different collectives.” (Carpendale 2009, p. 271).

The constructivist perspective is instead inspired by the classical cognitive-evolutionary approach to human development according to which the development of human

⁶ From an arguably similar perspective, the relational approach to morality (Mascolo and DiBianca Fasoli, 2020) argues that “...moral values are neither universal reflections of a biological, social or spiritual world, nor are they relativistic creations of particular cultures or social groups or individuals. Instead, moral values and beliefs are emergent properties of relational experience” (p. 392).

⁷ The emphasis is mine.

cognition goes beyond the imposition of biological or cultural determinations (Piaget 1932/2013, 1977/2015; Kohlberg 1981, 1984; Damon 1977; Turiel 1985; Smetana 1984, 1989; Carpendale et al. 2013; Jambon and Smetana 2014; Dahl and Killen 2018a, b; Smetana et al. 2018; Paulus 2020). From this perspective, it is necessary to evaluate when during development human children concretize normative stances which are the expression of different forms of social knowledge, including morality. These normative stances are commonly associated with affective reactions but are mostly present in explicit judgments, justifications, and behavioral interventions (e.g., protest, punishments, and rewards). These features are especially relevant, for communication and language become essential components of morality and unequivocal empirical indicators of moral stances (Kohlberg 1984; Paulus 2020; Li and Tomasello 2021). I'll be back to this point later.

However, if we want to clarify the development of moral concerns and norms of behavior as a distinctive domain of social knowledge, it is essential to define what moral normativity would be in the first place. Authors from the 'social-domain' perspective—a branch of the cognitive-evolutionary tradition—, have consistently shown that human children develop different kinds of norms during their social interactions with parents and peers, and within them, there exist a unique set of evaluative concerns and prescriptive norms of behavior regarding how we ought to treat others and how we ought to establish personal relations promoting others' welfare, rights, fairness, and justice (Dahl and Killen 2018a, b; Turiel 2015). These concerns, evaluations, and norms would constitute the moral domain of social knowledge.

As Dahl et al. (2011) claim, "...our lives are organized around concerns. By concerns, we mean whatever is important to us, whatever we are interested in, and whatever engages us. Moral concerns constitute a subset of our concerns, namely those that are oriented to justice, rights, and welfare—in short, our concerns for the well-being of others". These evaluative concerns are configured through interpersonal relations during development and are later reflected in an individual's judgments, reasoning, protests, and emotional reactions to social events (Dahl 2019).

Based on these ideas, moral sense-making is defined here as the constructive process through which human individuals, by the means of constant interactions on a background of mutual respect and recognition, develop evaluative concerns about how we ought to treat others, and how to 'care' and 'respect' others' well-being, needs, and vulnerabilities. This process of moral sense-making is different from the process of learning social-conventional rules (e.g., concerns and norms about traditions, conventions, and narratives about group functioning), since it involves unique forms of interpersonal normativity that emerge on a background of autonomy, reciprocity, and mutual respect.

As a consequence, the moral domain is mostly experienced as "universalizing and binding" (Mascolo and DiBianca Fasoli 2020), and moral norms are assumed as prescriptive and generalizable, which means that they do not depend on the cultural context, on the defense of a particular group identity, do not rely on a figure of authority, and the commitment to these norms has no relation to avoidance of punishment (Killen 2018). This is fundamental, for heteronomous contexts in which moral norms are assumed as prescriptive just because they are imposed by an individual or social authority hinder the possibility of moral concerns to properly develop in human individuals (Piaget 1932).

The constructive process that shapes the process of moral-sense making starts in the first two years of human development (Turiel and Dahl 2019). This development is guided by an extraordinary impulse of children to be involved in the activities of adults and social interactions through genuine social motivation (Paulus 2014; Pletti et al. 2017). This social motivation could be explained as a product of our cooperative niches where human children need the attention of parents and conspecifics to survive, which leads to the development of enhanced capacities of intersubjectivity and shared intentionality (Tomasello and González-Cabrera 2017). This social motivation allows the emergence of dyadic interactions between infants and adults during the first months of life and also is causally correlated with the appearance of shared intentional scenarios and behaviors like shared attention, gaze-following, social reference, and declarative gestural communication (Tomasello 2018). Moreover, it is the primary source of positive and reciprocal family interactions, it is crucial for responding to the distress of others, and it is linked to the capacity to engage in simple instrumental helping as a form of social interaction (Brownell 2016).

A stage of pre-altruistic behaviors starts when children begin to engage in instrumental helping before reaching two years, because of their capacities for goal completion and action fulfillment (Dahl and Paulus 2018). These behaviors are the result of enhanced social understanding, which allows children to understand the actions of others and their intentions (Carpendale and Lewis 2010; Paulus 2014; Warneken and Tomasello 2007). However, until this stage, moral evaluative concerns are not yet entirely constructed or reflected in an individual's expressions or reasoning. Human children even engage in constant transgressions that involve the infliction of harm onto others (Dahl 2016; Dahl and Freda 2017; Dahl et al. 2017; Smetana et al. 2018).

It is not until the end of the second year that children start to consolidate the different domains of social knowledge through their social interactions, and develop moral, conventional, and personal concerns independently (Smetana 1984, 1989; Smetana and Braeges 1990; Smetana et al. 2018). Children start to show empathic concern for others,

relieve others' distress, and act upon the emotional signals of harm or sadness in others, something that is the result of emotional communication and interaction during the first months of life (Zahn-Waxler et al. 1992; Dahl and Campos 2013; Dahl et al. 2011).

These concerns for the well-being of others come along with parents' encouragement and bidirectional social interactions and scaffolding (Dahl and Campos 2013; Wainryb and Recchia 2017; Dahl 2016; Dahl and Brownell 2019). For instance, some studies have found that caregivers provide domain-specific justifications in their interactions with children during the first two years of development (Smetana 1984; Dahl and Campos 2013). Moreover, the responses of parents to children's transgression are different depending on the consequences of the actions performed, or the type and content of the norm transgressed. Parents react with anger to harmful acts performed by children (morally relevant actions), with fear or worry to dangerous transgressions for the children themselves (prudential norms), and warmth or laughter to conventional rules (Dahl and Kim 2014). However, the effect of these social contingencies is not sufficient for the consolidation of the moral domain of social knowledge and it is always essential for the children to "critically evaluate" parental prohibitions (Turiel and Dahl 2019).

All these social dynamics are essential for the configuration of the moral domain and other domains of social knowledge. Around three years, children finally consolidate, apply, and endorse concerns for others' welfare, and they start to understand that harming others is morally wrong (Hardecker et al. 2016; Mammen et al. 2018; Dahl et al. 2017). The moral domain is then constituted as a set of 'strong evaluations' and prescriptive norms characterized as obligatory, generalizable, and impersonal, due to their relation with welfare, justice, and rights (Turiel 1985; Mascolo and DiBianca Fasoli 2020).

By three and four years of age, children finally reach the stage of a normative stance toward moral actions, establish a clear distinction between prescriptive moral norms and conventional rules, and also engage in reasons and judgments for evaluating the social world (Turiel 1985; Smetana et al. 2018). From this point, the differentiation of moral and conventional rules is even materialized in different physiological reactions towards instances of these norm transgressions (Yucel et al. 2020). To get to this point, children have had to consolidate their moral concerns and judgments starting from basic social-affective processes such as emotional communication and interaction, empathy, and social understanding (Dahl et al. 2011; Ball et al. 2016).

5 Human Morality, Emotions, and Reasoning

One of the most significant contributions of the constructivist tradition in moral psychology is precisely that morality is defined as a concrete domain of prescriptive norms of behavior based on evaluative concerns and judgments about how we ought to treat others and how to establish personal interactions promoting individual welfare, rights, fairness, and justice (Dahl and Killen 2018a). However, the development of this moral domain requires an intricate relation between affective/emotional and cognitive dimensions and the exercise of moral reasoning in and through social relations. Even though the enactive tradition has called attention to the necessity of considering emotion and cognition as integrated dimensions of the process of living organisms' sense-making of the environment (De Jaegher and Di Paolo 2007; Colombetti and Torrance 2009; Colombetti 2010, 2014) the role of reasoning and deliberation in moral development is poorly explored in these perspectives.

From an enactivist approach -as it was suggested by one of its pioneers-, human intentional deliberation and reasoning do exist in the domain of ethics and they play a role in the configuration of moral habits (Varela 1999). For instance, deliberation and analysis are important processes for the acquisition and revision of moral intuitions in moments of breakdown, this is, "when we are not experts of our microworld anymore, that we deliberate and analyze, that we become *like beginners seeking to feel at ease with the task at hand*"⁸ (Varela 1999, p. 18).

Likewise, Colombetti and Torrance (2009), the proponents of an (inter)- enactive approach to emotion and ethics, also have claimed that "No one should deny the importance of reason in ethics; nor indeed could there be any adequate account of emotions which did not take account of the ways in which emotions can be subject to various dimensions of rational scrutiny and criticism" (p. 515).⁹ However, as it has been mentioned by Hugo Mercier (2011), "while none of the scholars within the intuitionist framework deny that reasoning can play a positive role in our mental lives, its 'servile' function still plays a major part in their theorizing" (p. 132). This seems to be the case of enactivist theories as well.

⁸ The emphasis is mine.

⁹ As it has been noted by Hindriks (2014), the western tradition of classical moral intuitionism shares these basic assumptions concerning the role of reasoning in moral psychology. Some of the proponents of moral intuitionism such as Sidwick (1874/1962), Moore (1903/1998), and Ross and Stratton-Lake (1930/2009), are examples of sort of rationalist account in moral intuitionism. According to these perspectives, moral intuitions require reflection, and moral intuitions are justified and warranted, since "...they are the intuitions of rational agents" (Hindriks 2014, p. 200).

The perspective offered by the constructivist tradition has a lot to say about this issue. During development, human reasoning and deliberation become essential elements for the acquisition, consolidation, and revision of moral concerns, judgments, and principles of behavior. This is in line with a previous statement, namely, that communication and language are fundamental to constitute a normative stance in social interactions (Paulus 2020). As is explained by Li and Tomasello (2021), language facilitates all aspects of morality, including the initiation, preservation, revision, and materialization of moral judgments and actions. More importantly, language allows engaging in moral reasoning, which is a central aspect of moral development. In brief, the essential role of communication and language in morality includes the processes of moral reasoning and moral deliberation.

It is essential to clarify that these processes (e.g., language, reasoning, and deliberation), are understood as forms of social action, this is, as dynamic processes of interaction between individuals (Di Paolo et al. 2018). In other words, when humans communicate through language, when we engage in processes of reason-giving, or when we deliberate, what is at play is between-mind interactions that require a socially externalist perspective to be explored, instead of a ‘within minds’ perspective (Li and Tomasello 2021).

Accordingly, human reasoning is conceived as a flexible and socially-contingent process of evaluation and elaboration of judgments and arguments (Piaget 1932/2013, 1977/2015; Kohlberg 1981, 1984; Habermas 2005; Dahl and Killen 2018b; Mammen et al. 2018, 2019; Killen and Dahl 2021). Moreover, moral reasoning is the process through which people initiate, preserve, revise, and realize evaluations and judgments based on concerns about others’ welfare, rights, fairness, or justice (Dahl and Killen 2018b; Paulus 2020; Killen and Dahl 2021).

The relevance of reasoning and deliberation does not exclude whatsoever the fact that ethical expertise involves intuitive embodied judgments or the emergent realization of automatic and habitual patterns of behavior that are the outcome of an agent’s situated perspective in her world. Many forms of moral reasoning may develop into intuitive and automatic patterns of behavior, which are fast, effortless, and instances of expertise (Pizarro and Bloom 2003; Turiel and Killen 2010; Dahl and Killen 2018b). Authors like Hogarth (2001), Pollard (2003, 2005), Snow (2006, 2010), and Sauer (2017) have recently contributed to the task of consolidating a non-dualistic perspective on the relation between automaticity and rationality such as the one here proposed. To sum up, from a constructivist perspective, intuition and reasoning are just two sides of a unique process of formation and education of moral concerns and judgments (Hindriks 2014; Sauer 2017).

Moral reasoning and deliberation depend on a background of moral evaluations and concerns that have an irreducible affective origin. These interactions between affective, cognitive, and linguistic dimensions in moral development may be reexamined with a brief look into psychological evidence. For instance, the basic relations between emotion and cognition are already evident from the very initial process of emotion elicitation. Contrary to what is assumed by most intuitionist perspectives in moral psychology, to which emotions seem to be inflexible reactions to environmental stimuli, emotions usually involve evaluative appraisals (Nussbaum 2003; Turiel and Killen 2010; Sauer 2017). Furthermore, the precursors of moral reasoning in the first years of life are emotional. As it has been noted by Dahl and Killen (2018a, b) and Ball et al. (2016), the very bases for the development of our moral concerns are emotional processes such as empathic responsiveness to distress, early social understanding, and moral emotions such as guilt and shame. These emotional processes constitute the background for moral reasoning and deliberation to occur in scenarios of cooperation and conflict.

Finally, the development of moral concerns, evaluations, judgments, and norms through social interactions, presents multiple challenges that are usually solved by the means of moral reasoning and deliberation. Moral concerns, judgments, and norms may conflict with other domains of social knowledge, and even they may conflict with each other. For instance, concerns for equality and fairness can be subordinated to considerations of group identity and parochial prosociality, and moral concerns for well-being might conflict with moral concerns for fairness (Turiel and Killen 2010). At this point, moral reasoning and deliberation acquire special relevance, since they foster more adequate ways to apply principles about welfare, justice, and rights, especially when they conflict with each other in contexts of extreme inequalities of power and influence between individuals. That’s the reason why moral reasoning has been claimed to enable not only moral development but also societal change (Killen and Dahl 2021).

Consequently, the appeal to reasoning also has a philosophical justification. Normatively speaking, human reasoning is conceived as the process through which we reach ‘better’ or ‘correct’ moral judgments, these are judgments that are justifiable to all (Kohlberg 1981; Sauer 2017; Hindriks 2014; Hindriks and Sauer 2020). This makes reasoning a necessary element in the acquisition, education, and revision of adequate moral concerns, judgments, and principles, and moral rationalism a necessary stance towards the normative quality of our moral systems.

6 Conclusions

To sum up, for humans to think morally in social environments it is necessary to develop a capacity to recognize morally relevant scenarios, to identify moral transgressions, to feel concerned about morally divergent issues, and to make judgments and decisions with morally relevant consequences. Our moral life involves the flexible application of moral principles since concerns about welfare, justice, and rights are sensitive and contingent on social and contextual factors. Moral motivation and reasoning are situated and embedded phenomena, and the result of a very complex developmental process.

In this paper, I have argued that embodied perspectives, enactivism included, face important challenges that result from their analysis of the social origins of human morality. My main objective has been to expand the horizon of conceptual, empirical, and descriptive implications that they need to address in the construction of a coherent ethical perspective. I have done so by exposing a constructivist approach to the social origins of human morality, taking insights from the cognitive-evolutionary tradition in moral psychology. This alternative radically eschews dichotomies to explain human moral behavior. Moreover, based on the constructivist definition of the moral domain of social knowledge, I have offered a basic notion of moral sense-making and I have called attention to the relevance of distinguishing what makes the development of moral norms different from the development of other domains of social normativity.

Moreover, I have also explored the role of individuality and reasoned deliberation in the development and education of moral concerns, moral principles, and morally relevant norms of behavior. First, human morality demands the occurrence of factors that go beyond the simple automatic reaction to environmental stimuli or the conformity to concrete patterns of social normativity. That is why autonomous independent thinking and individuality are necessary factors for humans to “challenge group norms, authority, and institutional mandates” (Killen 2018, p. 769). Secondly, to define the moral domain as a set of concerns and evaluations about individual well-being (normative individualism) does not imply the adoption of an ‘individualistic’ picture about the acquisition of those moral considerations or the goals of society. Finally, I have claimed the relevance of rationality in the processes through which human individuals reach more equilibrated levels of consensus in social dilemmas and moral considerations. The appeal to reasoning does not exclude whatsoever the role of emotions, intuitions, social interactions, and expertise, as constituent components for the realization of our moral actions. All these reflections are fundamental since our moral domain sometimes requires,

to be developed properly, an autonomous, deliberate, and reasoned reaction to the general normativity that sustains the social life of communities.

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