Referee 1

The authors present an interesting and relevant study on the interrelation of urban structure types and heat stress in the city of Berlin, more precisely, the difference between objectively measurable heat stress and the individually perceived heat stress. They base their analysis on spatial data processing, and statistics on population and to the different neighbourhoods and districts from authorities and questionnaires. The results are novel and the quality is high, but partially explained not well enough for readers without previous knowledge on the city or the topic. Most of my comments address clarification of points which raised questions during the reading. I encourage the authors to invest time in making this an excellent paper.

Dear referee,

Thank you for taking the time to read our article and for your positive and constructive review. We truly appreciate the specific issues you highlighted, along with your valuable suggestions. Attached, you will find our detailed responses and a plan for revising the manuscript in accordance with your individual comments.

The author team

#	Comments by referee	Response	Proposed changes in the manuscript (in blue)
Abs	tract		
1	I recommend removing the urbisphere project from the abstract as it is not relevant in this context	Thanks for your suggestion. The interdisciplinary nature of the urbisphere project is a key reason for some analysis particularly, the selection of the rings structure – so we believe it is important to retain reference to the project. Secondly, it underscores that this paper is part synergistic research between disciplines to address cities with different characterisations and their future climates, hence needing to cross international and disciplinary boundaries. Please see the revised abstract provided in response to comment 2.	
2	The abstract does not equally address problem statement, methods, results, and outlook, and largely focuses on the overall idea. Furthermore, it does not give much numeric results of which many were generated in the study. I recommend using the detailed summary from lines 352-360 in the abstract to present concise results for readers already and select some of the most relevant numbers.	We have modified the abstract as suggested and included more of the main findings (the revised version is provided in the	Urban areas in all world regions are experiencing increasing heat stress and heat-related risks. While in-depth knowledge exists in terms of the urban heat island effect and increased heat stress in cities in the context of climate change, less is known about how individual heat perceptions and experiences differ between urban forms or with different vulnerability profiles of exposed people. It is crucial to identify and assess differences within cities relating to urban form and social structure, as both need to be considered when designing adaptation plans for heat-related risks. Here, we explore linkages between urban structure types (USTs), heat stress perception and different socioeconomic group's experiences in Berlin using a household survey, statistical and earth

3	The aims of the study remain unclear in the abstract: is it to quantify perception, is it the difference between vulnerability and exposure? It becomes clearer in the study itself, but I would welcome a clear statement what is your highest aim with the presented study.		e clarified the stud use 2 (R1/r2)).	ly aim in the abstract (see reviewer	observation data. Our approach (1) quantifies perceived heat stress across USTs, considering characteristics such as, age, income, vegetation cover and shadow; (2) characterises social dimensions of UST to enhance it being addressed in climate adaptation; and (3) benefits from the synergistic disciplinary approach of the urbisphere project with rich social and physical datasets. Although heat stress exposure is higher in the inner-city, we find a higher percentage of vulnerable groups in the outer city (6 to 18 km from the city centre) where 78% of Berlin's elderly live. Attention is needed in climate adaptation plans based on UST to human vulnerability profiles and adaptive capacities. For example, residents of densely spaced building blocks have low median fractions of vegetation (grass: 0.04; trees: 0.13) and higher perceived heat stress (67% respondents perceive slightly hotter to very hot conditions relative to average) and very low). Our findings and methods can inform future adaptation strategies in other cities, notably to consider the different vulnerability profiles and adaptive capacities within and between USTs.
4	1. Introduction	Waaaaa		the it in the marined manual wint form	Citize and activity the activity of a local of the statement
4	proportionally larger increase within cities from selected references to put your study into this context	lines 29-	30.	the it in the revised manuscript from	Cities are potentially subject to twice the levels of heat stress as compared to their rural surroundings under all representative concentration pathways (RCP) scenarios by 2050 (Wouters et al., 2017).
5	The first part largely is based on IPCC	We now	cite the original a	authors:	Li, T., Ban, J., Horton, R. M., Bader, D. A., Huang, G., Sun,
	references which are already a collection of research. It is suitable to mention the	Line Old New		NT	Q., and Kinney, P. L.: Heat-related mortality projections for
	importance of the topic, but you could	Line 28			cardiovascular and respiratory disease under the changing climate in Beijing, China, Scientific reports, 5, 11441,
	guide the reader to the original studies a	28 31	IPCC, 2021	Rosenzweig et al., 2018	https://doi.org/10.1038/srep11441, 2015.
	several points to acknowledge their	31	IPCC, 2022	Song et al., 2016; Li et al., 2015 Park et al., 2015	Park, J., Hallegatte, S., Bangalore, M., & Sandhoefner, E.:
	contribution	51	IPCC, 2022	raik et al., 2015	Households and Heat Stress: Estimating the Distributional

					Consequences of Climate Change. World Bank Policy
		But we	retain:		Research Working Paper No. 7479, Available at SSRN:
		Line	Old	Reason	https://ssrn.com/abstract=2688377, 2015.
		24	IPCC, 2023	A statement from the contribution	Rosenzweig, C., Ruane, A. C., Antle, J., Elliott, J., Ashfaq,
			,	of many working groups	M., Chatta, A., et al.: Coordinating AgMIP data and models
				contribution which highlights the	across global and regional scales for 1.5°C and 2.0°C
				significance of topic in general.	assessments, Phil. Trans. R. Soc. A., 376, 20160455,
					https://doi.org/10.1098/rsta.2016.0455, 2018.
					Song, Y., Ge, Y., Wang, J., Ren, Z., Liao, Y., and Peng, J.:
					Spatial distribution estimation of malaria in northern China
					and its scenarios in 2020, 2030, 2040 and 2050, Malaria
					journal, 15, 345, https://doi.org/10.1186/s12936-016-1395-
					2, 2016.
6	I'm not clear about what you mean by	We und	erstand your poin	t. In introduction, we present the	<i>Least adaptation plans exist that explicitly address</i>
Ŭ	"heat adaptation plans with marginalized			heat adaptation and socio-economic	marginalized and vulnerable populations who may live in
	people" and how this could look like. As			vant to different cases. That is why	lower-income neighbourhoods or be homeless. This can
	you refer to this in the conclusion, it			vulnerable groups including	include planting trees and green corridors in prioritized
	should be clearer how this could be			further clarification, we rephrased it	vulnerable areas with less access to green spaces (e.g., Aburrá
	achieved and by whom.			on with examples.	Valley city's Mayor's Office and the Metropolitan Area
	achieved and by whom.			er, we indicated only the results	Medellín Colombia, 2021) and creating shady areas and cool
				rlin where elderly was referred as	places outdoors (e.g., awnings/ tents) for homeless people,
				d underscored them to be addressed	distributing water bottles at counselling centres and day
			tation plans (see R		centres (e.g., Bochum Department of Social Affairs, Germany,
		in adapt	ation plans (see R	(1 /1 <i>5</i> / <i>)</i> .	2021).
7	It looks strange that the source is reduced	We have	a revised the citet	ion of this editorial piece following	The new reference is:
	to (Nature, 2021). I see that it is an		ic guidelines (e.g.		"Cities must protect people from extreme heat", Nature, 595,
	editorial article but I personally think it		ibanswers.umgc.e		331–332, https://doi.org/10.1038/d41586-021-01903-1,
	should either include an author of the		columbiacollege-	uu/1aq/44550;	2021.
				7122748- 5228077) an aitin a	
	editorial team or refer to a study in this			=713274&p=5228077) on citing	In text: "Cities must protect people from extreme heat", 2021.
0	issue (595).			(as none is listed for this article).	
8	The structure of the introduction seems a			on structure to address the problem	
	bit odd, the first paragraphs follow after 1.			, research gaps and study objectives.	
	and give background information but at		0	ng changes are made:	
	this length (1 page) it could also benefit		Introduction		
1	from its own sub-heading (1.1). Also, the			nt: We retain lines 24-34 and 47-60	
1	other sub-chapters (1.1 and 1.2) have		ve lines 35-47 to 1		
1	indifferent roles in the article, but both	1.1.		sification- combining urban	
	address the state of research. Would it		morphology and	heat characteristics	
	make sense to separate the literature part				

	from the problem statement, definition of the research gap and the aims of the study?	questions: V are common systems use zones)? Wh 1.2. U an Gives the u adaptation p	tate of the art by addressing the Why is urban form classification nly used local scale urban form ed for urban heat island studies (nat are their advantages and limi rban structure type (USTs): con- d socio-economic factors to asse tility of USTs in research and pr planning. Defines research gaps	important? What classification i.e., local climate tations? sidering physical ss cities actice, e.g., climate	
9	You carefully list questions but do not mention the methods on how you plan to answer them. It is clear that they follow later, but you could as well give a one- sentence outlook on what is to expect.	research qu We agree a	estions. nd have modified line 118.		Here, we capture similarities and differences of perceived heat, socio-economic structure and adaptive capacities across USTs and city rings and identified corelations between them.
	Again, highlighting the name of your research project in the last paragraph is rather uncommon and does not add relevant information. I'd say this belongs to the acknowledgments.	of the proje readers will	s can only be understood when l ct urbisphere – e.g., the ring stru benefit from further informatio ct urbisphere is provided (see \mathbf{R}	cture. Therefore, n when a reference	
	2. Methods				
11	The quotes of authorities in the text are	Thank you	for the suggestion. We have cha	nged the quote to:	Deutschländer, T., Früh, B., Koßmann, M., & Roos, M., Wienert, U. Berlin im Klimawandel - eine Untersuchung
	partially very long (Deutscher Wetterdienst and Senatsverwaltung für	Line	Old	New	zum Bioklima, Edited by Behrens, U.; Grätz, A. Deutscher
	Stadtentwicklung, 2010). Can you identify authords of the works and quote them accordingly? As an alternative, you could use abbreviations to make the citations in	125-129	Deutscher Wetterdienst and Senatsverwaltung für Stadtentwicklung, 2010	Deutschländer et al., 2010	Wetterdienst and Senatsverwaltung für Stadtentwicklung, https://digital.zlb.de/viewer//fulltext/15490747/1/. last accessed: September 02, 2023, 2010.
	the text more compact.				
12	Again, you mention the urbisphere campaign, please stick to the references to existing papers.	generally a	l. (2024) is published and presen and the details for the urbisphere-	Berlin campaign.	
13	It is not logic to me that you present the city as a polycentric phenomenon but use (concentric) rings to describe it. This sounds contradictive to someone who is not involved in urban studies. Please clarify.	as well as p to combine cities repres climatic con al., 2024) is	f using concentric rings and urbal lanning areas (PLRs) is based of different perspectives and typol senting urban physical, socio-ec- nditions. The concentric ring stru- s one representation that allows to punic data e.g., elderly with question	n our core interest ogies to classify onomic and acture (Fenner et as to combine	We added the following description in line 133 to clarify this: Our first premise is that there are broadly two city zones (inner and outer city), surrounded by a rural area. The proposed ring structure for Berlin is defined by an interdisciplinary team (meteorology, remote-sensing and urban/spatial planning) as an attempt to provide a simplified and comparative approach replicable in other cities (Fenner

		conditions e.g., perceived heat. It is not a contradiction to the statement that Berlin is characterized by a polycentric structure in terms of urban planning and urban development approaches. We adapted the proposed ring structure in this paper to compare the results from the climate analysis with socio-demographic structure and provide complementary approaches. See R2/r1 for details.	et al. 2024). Another important aim is to compare results and provide complementary methods and approaches between urban climate studies and urban planning studies. In this context also classifications and analysis schemes of different research communities are applied and linked.
14	Can you briefly mention how the reduction of 13 USTs to 7 classes was performed (e.g., "based on xy") or refer to a source where it is described? The table in Appendix A1 is not clear to me.	Following description (line 136) to provide basis for reducing the number of USTs.	We use the socio-demographic and physical data (e.g., population density, building morphology, number of storeys, building age, green volume, degree of sealing, Table A1) to characterise the USTs. Using the 5 th to 95 th percentile ranges of the 13 classes we can reduce this to seven classes (Fig. 1a, Table 1).
	The source to Senatsverwaltung (2021) does not explain how the USTs were delineated (data source, criteria, methods) for Berlin, is there any information available?	We add reference to Senatsverwaltung für Stadtentwicklung und Wohnen (2020) as it provides detailed documentation of the criteria, data basis and method used for the delineation of USTs.	Senatsverwaltung für Stadtentwicklung und Wohnen: Dokumentation Bodennutzung und Stadtstruktur 2020, https://www.berlin.de/umweltatlas/_assets/literatur/nutzungen _stadtstruktur_2020.pdf?ts=1726132803, last accessed: 01/09/2024, 2020.
16	What do the labeled names in the map of Figure 1a represent? Maybe you can add this in the caption. Are these the Buroughs? Someone who is not from Berlin might get confused about what is a PLR and what is a Burough.	The labels in Figure 1a give the names of the city boroughs.	Updated caption: Berlin study area (a) inner (A) and outer (B1, B2) city rings and Senatsverwaltung für Stadtentwicklung und Wohnen (2021) urban structure types (UST, Table 1) with example photos and boroughs labelled, and (b) plan area of USTs (%) in each city ring. (Photo source: Marvin Ravan).
17	You mention 39 residential addresses in line 152 but 38 in chapter 3.1 which is confusing	Given the low number of participants responses from one PLR (No 39, 3 responses) it was removed from further analyses (line 158). To avoid confusion, PLR 39 is removed from Figure 2.	
18	Can you briefly explain the stratification process mentioned in line 153 that led to the sampling visible in Figure 2? If this is the case, please add a reference to Figure 2.	PLRs were selected by an expert group (5 persons) based on multiple criteria, e.g., heat exposure (Senatsverwaltung für Stadtentwicklung und Umwelt, 2014), population density and representation of different age groups (Amt für Statistik Berlin-Brandenburg, 2022), unemployment levels (Senatsverwaltung für Stadtentwicklung und Wohnen Berlin, 2019), heat mortality rate (Schuster et al. 2014). We selected 39 PLRs that reflect diverse socio-economic, demographic and typological characteristics while ensuring to cover all boroughs in the city of Berlin.	

I cite		We posted an invitation letter to 10,000 residential addresses located in the 39 Berlin PLRs selected. The letter stated that if	
		the respondent had technological constraints, they could ask	
		for a printed copy of the questionnaire by phone. We posted	
		questionnaires in response to the calls received.	
	uded? I refer to this at a later point		
		It should be noted that around 27.2% (N=155) of respondents	
		are classed as "elderly" (65 and older) (see R1/r34 for	
		details).	
expla		A flow chart explaining the data sources, methods and analyses will be added to the Appendix.	
	r analysis		
21 Table actua	*	Description added/modified in section 2.2, line 159.	The survey has questions on household's heat stress perception and experience, living conditions (e.g., USTs, building information, green space access), mobility, early
and t	topics and why you chose the 7 in r study.		warning system, coping measures adaptation options, and socio-demographic characteristics (e.g., age, income,
your	i study.		education and working condition) (Table 2). Given the focus
			of this paper, we utilise seven survey topics related to perceived heat and physical and socio-economic factors of people living in different USTs.
22 Line	es 170-176: As you are describing how	We will add cross-references to the sub-sections where plots	
		and correlations are presented.	
	ase refer to each of the following sub-		
	pters where the correlations and plots		
are to	to be expected.		
		Table 3 corrected, thanks for pointing this out.	
	our paper 13 are mentioned as well,		
	is confusing		
		Parts of the caption "Analysis includes: fraction per Block/	
		PLR (grass, trees and shadow) and percentage (%) per Block	
		(vulnerable age groups)." is shifted to the text. However, we keep "Data availability given in Iqbal et al. 2024" in the	
more		caption to refer to the source where the processed data used for	
		this analysis is available. Summer months June, July and	
		August (JJA) is also retained in the caption.	
25 Table		The term indigenous residents is removed.	
	genous residents (TDI)		

26	Table 3: "Copernicus Sentinel-2" seems	Data sources column revi	sed to data refe	erence.	Drusch, M., del Bello, U., Carlier, S., Colin, O., Fernandez,
	redundant as a source if the quoted	Characteristic	Old	New	V., Gascon, F., et al.: Sentinel-2: ESA's Optical High-
	reference contains the actual data source	Plan area fraction of	Copernicus	Drusch et al., 2012	Resolution Mission for GMES Operational Services.
	and method, I'd prefer an either citation-	grass	Sentinel-2		Remote Sensing of Environment, 120, 25–36.
	based source or the consistent use of the	Plan area fraction of trees	Copernicus	Drusch et al., 2012	https://doi.org/10.1016/j.rse.2011.11.026, 2012.
	underlying geospatial dataset (probably		Sentinel-2		Gascon, F., Cadau, E., Colin, O., Hoersch, B., Isola, C., López
	more complicated to add for all	Shadow fraction	Sentinel-2	Gasco et al., 2014	Fernández, B., et al.: Copernicus Sentinel-2 mission:
	parameters).		- -		products, algorithms and Cal/Val. 9218, 92181E.
					https://doi.org/10.1117/12.2062260, 2014.
27	Figure 2: The boroughs, PLRs and blocks	USTs for the entire city an	re presented in	Figure 1a. Figure 2a	
	are not clear, why not showing the USTs	is modified to make block	k, PLR and bor	ough boundaries	
	for the entire city as this is your main unit	clearer.			
	of analysis?				
	3. Results	a D 1/18			
28	As mentioned earlier, the 38/39 mismatch	See response R1/r17.			
20	of PLRs must be resolved				
29	How were PLRs which range between	The PLRs are assigned to			
	several kilometers assigned to one	centroids to correlate perc			
	interval?	index (TDI) as presented			
		prominent differentiation			
		stress (Fig. 3 (c and d)) in some key factors contribu			
		see $\mathbf{R}^2/\mathbf{r}^1$ for details abo			
30	Figure 3: The order of a-d seems odd to	Figure 3a and b are preser			
50	me because b is at the bottom	data spatially and statistic			
	The because bis at the bottom	sequence of label follows			
31	Figure 3c/d, Figure 4, Figure 5a: I don't	Figure 3c/d and Figure 4			
01	think violin plots are a legitimate choice	i.e., stacked columns. How			
	here because the y-axis is of ordinal scale	continuous statistical data			
	and the violin plots suggest a continuous	population at block, there			
	variable. Stacked columns as in Figure 5c.	choice in this case.	,	II I	
32	Figure 3b and 3d: I suggest to name it	Now referred to as Therm	al discomfort	index (TDI) –	
	"thermal discomfort index (TDI)" to make	corrected throughout.		· /	
	it clearer that this is the measure retrieved				
	from other data then the perceived heat				
	from the questionnaire.				

33	Line 234: "Statistically, more >65 year olds live in semi-detached and terraced houses" \rightarrow please rephrase because it indicates an absolute dominance while it is just a proportional statement. For example, "a higher share of >65 year olds lives in semi-detached and terraced houses"	Thanks for the correction. Statement will be modified as suggested.							
34	Chapter 3.3.1: As you are correctly addressing statistical significance, it would be good to briefly mention the sample size of these calculations again in the beginning. If these calculations are only based on the 565 responses, I would suspect that the age bias of the survey methods (as indicated above) distorts the actual conditions. Would it help to display a histogram of the age groups of the questionnaire and a histogram of total Berlin's population to proof that each group is equally represented? You could place this in the appendix to give your results more validity.	The correlation between UST and percentage of elderly (line 239) is based on statistical and geospatial datasets at block scale from the city of Berlin (Table 3). However, the correlation between perceived heat and age groups is based on survey data (N=564, Table 2). We have added the number of responses in this case. New Figure B1 referred in line 244 shows the survey respondents and number of people Berlin by age group.	6	years ix B1: ents an	d (b) tl	he pop	ulation		85 years und older 85 years und older
35	Figure 4 b: Elderly people is missing a unit: "Share of elderly people (>65 years) [%]"	<i>Share of elderly people (>65 years) [%]</i> has been added to the unit of Figure 4b.							
36	Chapter 3.3.3.: I suspect that vegetation played already a role in in the delineation of the 13 USTs. If this is the case, Figure	Vegetation [e.g., green volume m ³ /m ²] is used by Senatsverwaltung für Stadtentwicklung und Wohnen (2020) in their delineation of USTs. However, by looking at the quality							

	7 just replicates the process of their	of green, we have distinguished between grass and trees in	
	generation and have no additional	different USTs in the analysis (section 3.3.3.) considering their	
	analytical value.	different thermal impacts. Secondly, plan area fraction of grass	
	unuryticur vulue.	and trees is estimated using summer 2022 data to make it	
		consistent with the household survey implementation timeline,	
		e.g., to correlate current supply of vegetation with perceived	
		heat stress.	
	4. Discussion		
37	Lines 315-325 and 320-321: How should	Many thanks for the insight. We agree that all parts of the	Line 340 following description is added:
	processes of urban planning and	cities have to be resilient to heat stress, but highly exposed and	Understanding spatial patterns of thermal discomfort and heat
	development address this call for action?	vulnerable locations and people should be prioritised in	stress is critical for targeted interventions to improve the
	L	adaptation planning (line 315-325). To further clarify how can	liveability of urban areas in the context of climate change. The
	Why does it matter if elderly live in B1 or	the knowledge about spatial patterns of thermal discomfort	characterization of urban form using Urban Spatial
	B2? I agree that vulnerable people must	and perceived heat stress actually help planning, we have	Typologies (USTs) and city rings allows for a detailed
	be protected, but your plea for action is	modified the line 340 in the discussion.	understanding of the variability in perceived heat, human
	not very concrete here. Also in line 334-		vulnerability, and adaptive capacity across different spatial
	335: Which options do city planners have	Secondly, line 227-335 and 343-349 highlight some of key	scales. This nuanced approach supports more targeted
	to include the aging process in cities?	aspects related to adaptation for the elderly. We added	interventions for urban development and climate change
	Doesn't this mean that, in the end, all	potential measures in line 322 to provide some examples.	adaptation.
	parts of the city are subject to		^
	demographic shifts and urbanization	Moreover, we underscore the need of dedicated studies to	Following modification are made in line 318-322:
	processes and have to be equally prepared	understand urban transition in the conclusion.	Notably, the elderly population have a high tendency to live in
	for heat? In other words, how can		(semi-)detached and terraced houses [26%], high-rise
	knowledge about spatial patterns of		buildings [22%] row development and high-rise buildings row
	thermal discomfort and heat stress		development [18%], particularly in ring B1 and B2. Given
	actually help planning? As this is already		age-related susceptibility and heat-related health problems
	the part of the outlook where you have to		(Sect. 3.3.1), this is a vulnerable population need to be
	sell your study at the highest price (it does		addressed in the outer-city (e.g., ring B1 and B2). Although
	contain many new insights), who will be		these households often live in single family homes, high-rise
	later using this information?		and multi-family buildings, with access to (shaded) green
			space, additional urban adaptation measures such as inclusive
			<i>public and open spaces and community centres</i> could improve
			the demographic mix within these areas.
1			
			Following details are added in conclusion line 348:
			There is a need for dedicated studies to investigate
			demographic shifts and urbanization processes for identifying
			urban transformation pathways. In this respect, physical (e.g.,
			tree growth) and social transitions (e.g., aging population,

			work force changes) over time need to be account for in
			adaptation plans.
38	Line 349: Consider removing "Role of	"Role of the" has been removed.	
30	the"	Kole of the flas been removed.	
	5. Conclusion		
39	As stated above, the first paragraph would make a good abstract already.	Modified abstract (see R1/r2).	
40	Line 363: "Combined this" does not sound like a grammatically correct phrase.	"Combined this" is removed. Sentence (line 363-364) rephrased.	Collectively, this approach will facilitate the identification of specific local adaptation needs to be addressed in future risk management strategies for civil protection and strategic urban planning.
41	Line 367-368: I wonder how such a prioritization could look like. I think in the end all parts of the city have to be heat resilient and any attempt for local adaptation at the architectural level will be obsolete within years, as the city and its work force, elderly, etc. constantly change. But maybe I am just missing the point.	In the discussion section, we argue that not only heat exposed locations e.g., city centre but also vulnerable population e.g., elderly in the outer city needs an attention in adaptation plans (line 315-325). There are already some evidences of targeted interventions such as Berlin's "Sustainable Renewal (Das Programm Nachhaltige Erneuerung in Berlin, 2023)" programme which targets predominantly large housing estates and socially disadvantaged households and "Lively centres and neighbourhood initiatives (Lebendige Zentren und Quartiere, 2020)" aim to implement appropriate protection and adaptation measures in highly exposed areas of city centres. Particularly, we emphasised those locations that might not be highly exposed to heat but due to the vulnerability factors (e.g., related to age, income) need to also be prioritised in adaptation planning. We highlighted the need of dedicated studies to understand physical (e.g., tree growth) and social transitions (e.g., aging population, work force changes) over time in the conclusion, see R1/r37 .	
	6. Acknowledgments		
42	There is a fullstop in the list of authors where there should be a comma ("JB. SG").	Replaced with a comma. Thanks for pointing it out.	

7. References

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