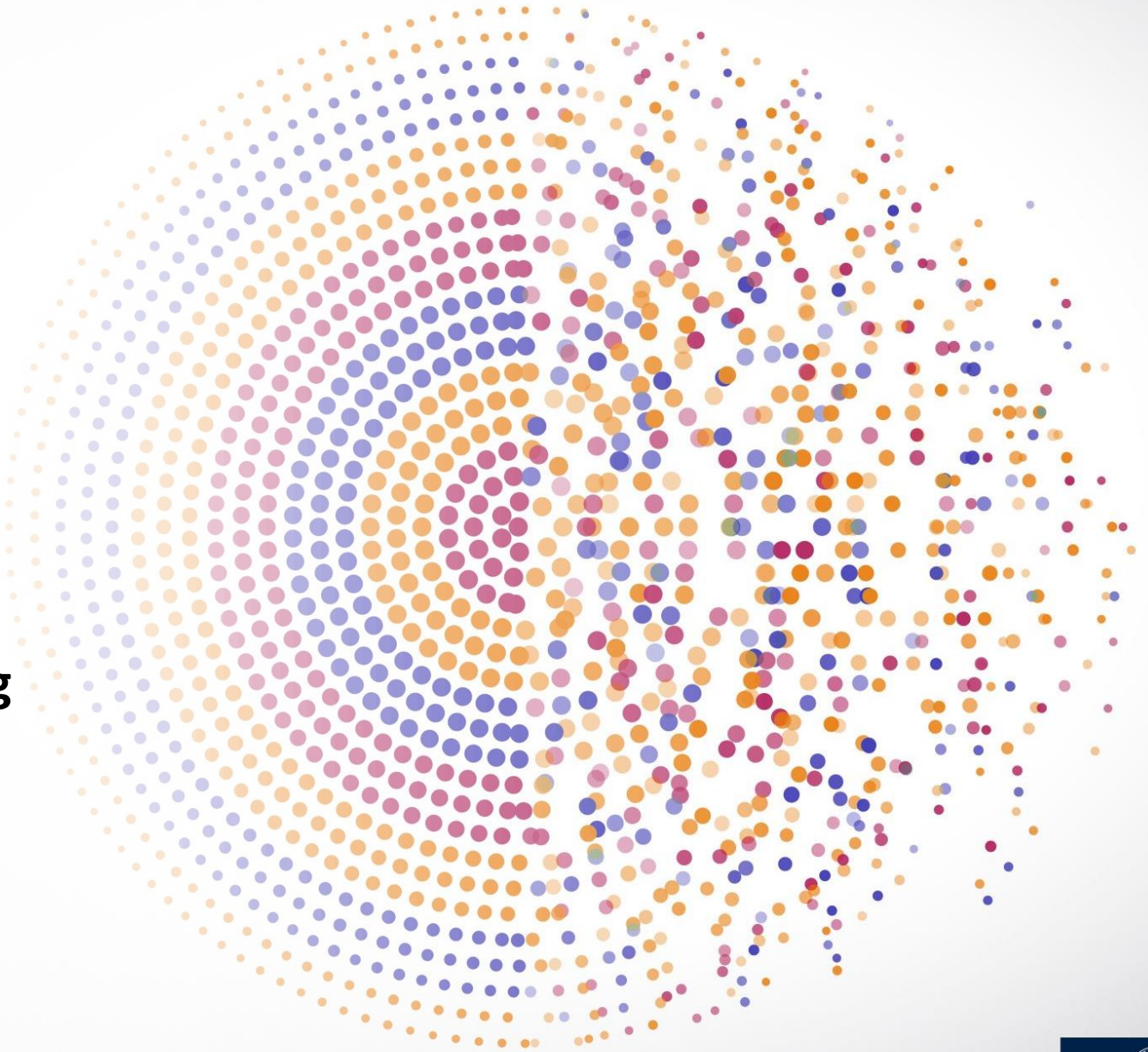




# Examining Power Dynamics and User Privacy in Smart Technology Use Among Jordanian Households

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# Motivation

**Smart home  
privacy research  
is still limited**

**Jordanian  
context is  
underexplored**

**Power dynamics  
impact on smart  
home privacy  
unclear**

**Lack of explicit  
data protection  
regulation in  
Jordan**

# Research Context

## Jordan

- Arab Country in the Middle-East
- Moderate Muslim Country
- Moderate Conservative Social Norms
- Significant population of immigrants
- Domestic workers mostly women from Far East and African countries
- Foreign domestic workers:
  - limited agency and rights,
  - long working hours,
  - low wages,
  - restrictions on movement without their employer's permission



## Research Questions

**How do socio-economic power dynamics affect the privacy of households and domestic workers in Jordanian smart homes?**

**What are the conflicting socio-economic power dynamics in the context of smart homes in Jordan ?**

**How do power dynamics between households and their domestic workers affect domestic workers' agency, privacy concerns, practices, and perceptions of rights in smart homes in Jordan?**

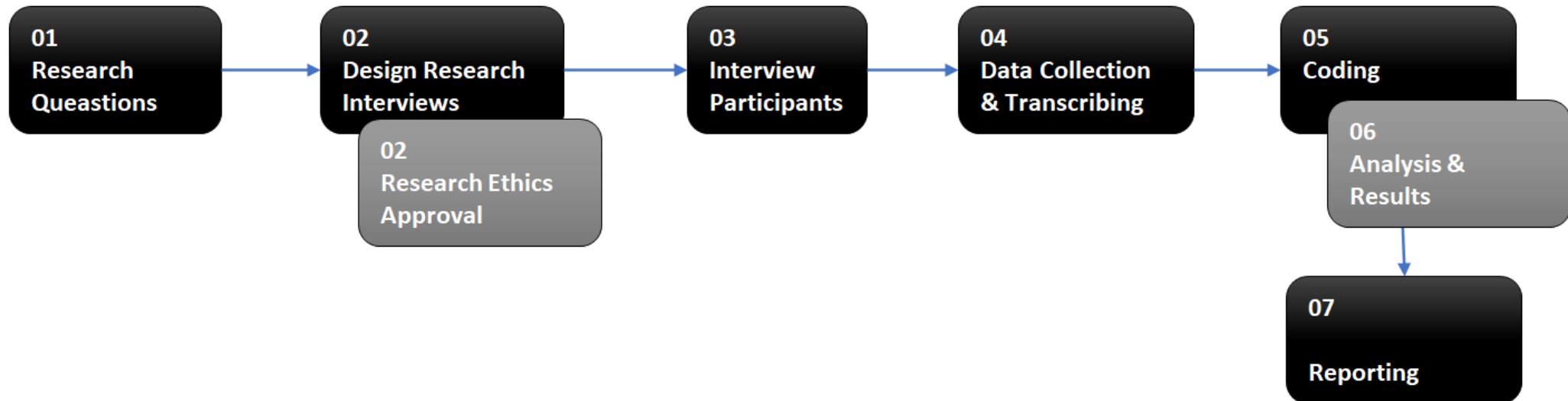
**How effective are existing public privacy protection regulations in protecting privacy of domestic workers in smart homes in Jordan?**

# Methodology and Approach

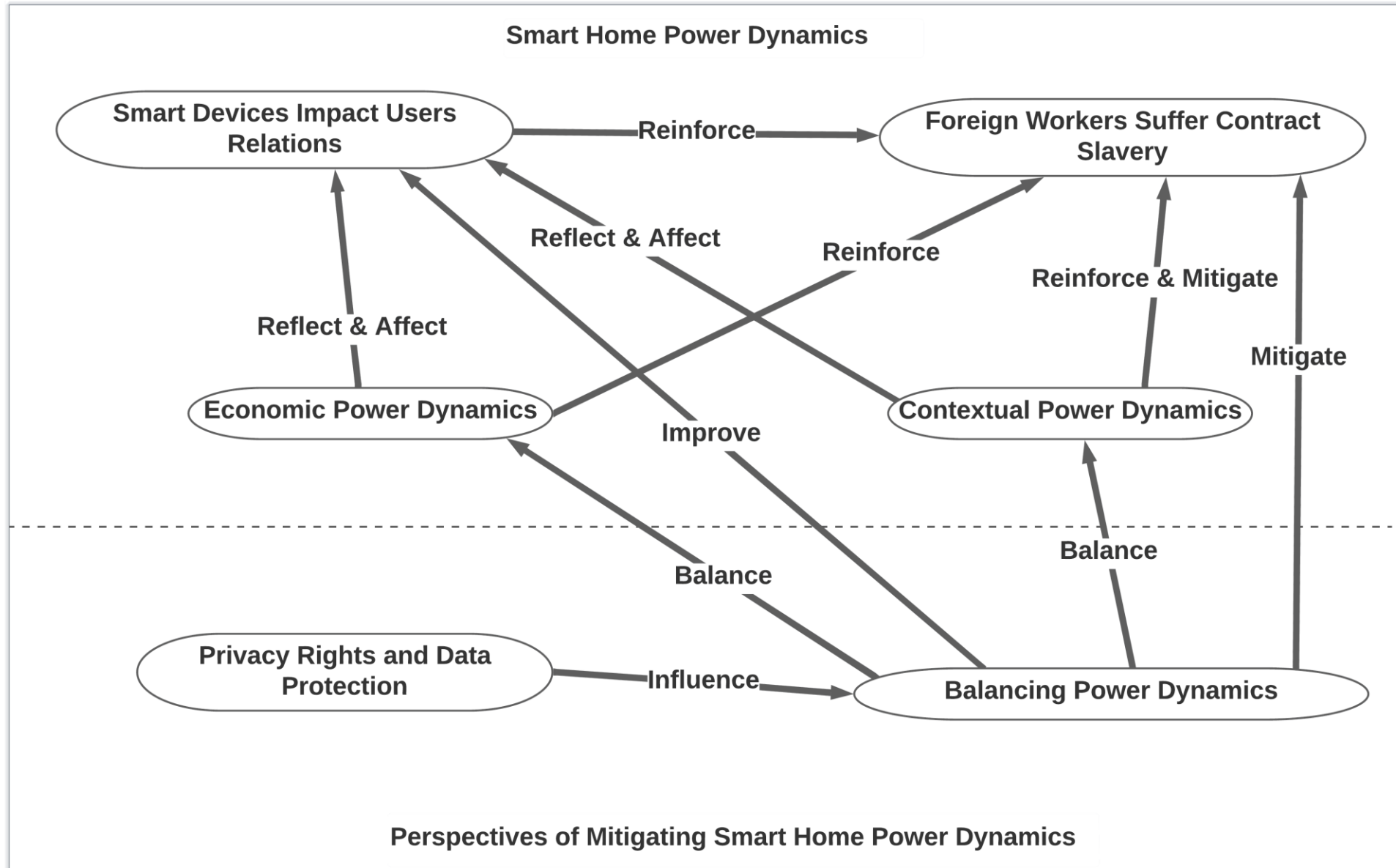
## Grounded Theory

Systematic approach involving data collection, data coding, and inductive reasoning

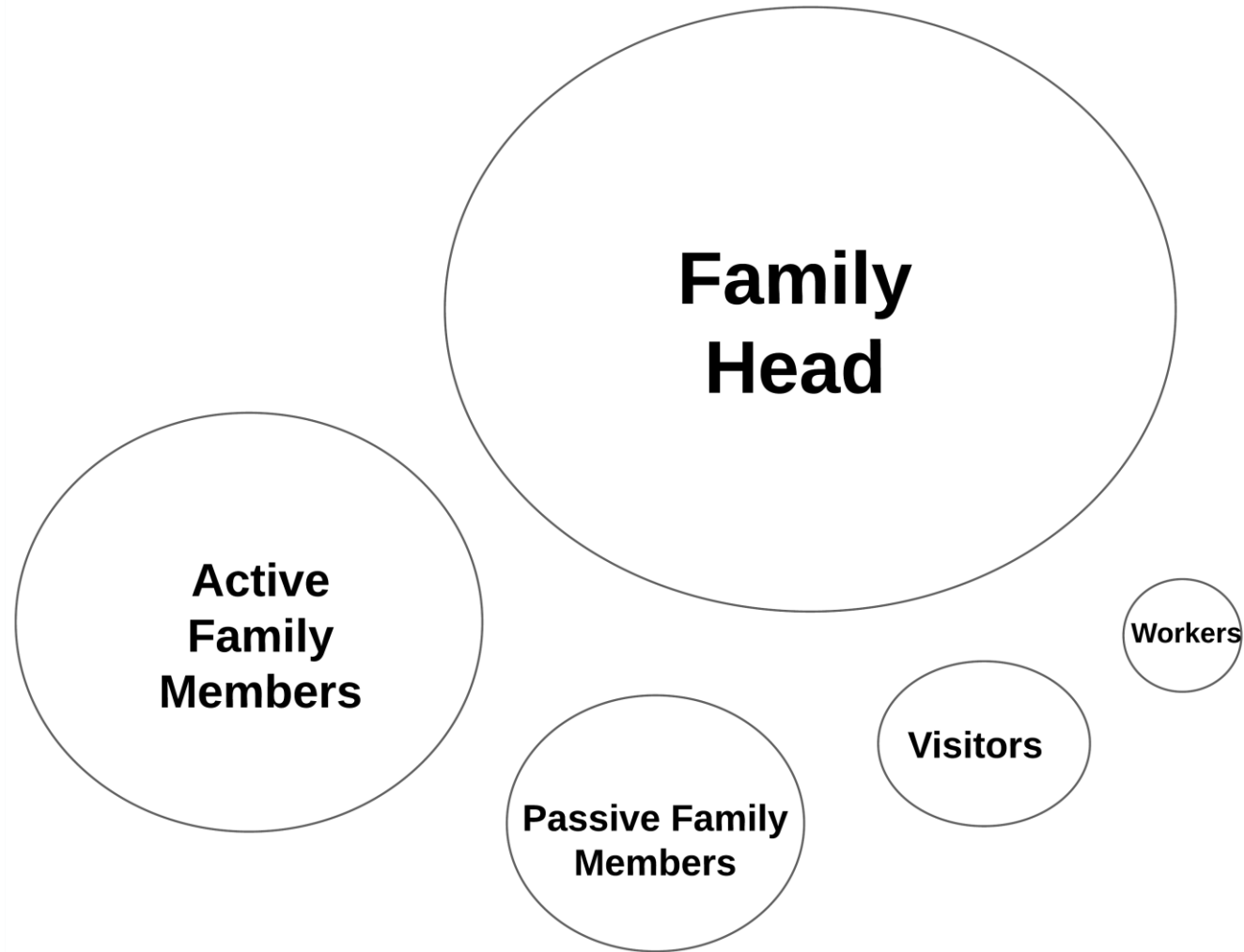
Methodology particularly well-suited for constructing substantive explanatory theories in areas where extensive research is lacking.



# Outcomes and Findings



# Smart Home Social Power Map



# Data Protection Regulation



Regulation/Law Name	Articles	Coverage	Personal Data and Smart Home Users
Cyber-Crime Law <sup>48</sup>	11, 13	Mass Surveillance, Online Defamation	Depends on Proving Material Damage
Telecommunications Law <sup>49</sup> No. 13/1995	56	Private Communications	No
Penal Code <sup>50</sup>	3, 4, 348, 356	Penalizes dissemination of Private Data	Depends on Proving Material Damage
Labour Law <sup>52</sup>	All	General work terms and conditions	No
Access to Information Law <sup>54</sup>	13	Correspondence Between Government Entities	No
Credit Information Law <sup>53</sup> No.15/2010	8, 18	Credit Status	No



# Data Protection Regulation



Country	MAME	Data Law	Regulatory Body	Year Enacted	Smart Home Consideration
Jordan	Yes	None	None	–	Not Expected
Saudi Arabia	Yes	PDPL <sup>57</sup>	SDAIA <sup>56</sup>	2021	No
UAE	Yes	Decree No. 41 <sup>60</sup>	UAE Data Office <sup>59</sup>	2021	No
Qatar	Yes	PDPPL <sup>62</sup> Law No. 13	QFC <sup>61</sup>	2016	No
Bahrain	Yes	PDPL <sup>66</sup> Law No. 30	MoJ <sup>65</sup>	2019	No
Oman	Yes	DP <sup>64</sup> Law No. 06	MTCIT <sup>63</sup>	2022	No
Kuwait	Yes	None	None	–	No
Egypt	Yes	PDPL <sup>69</sup> Law No. 151	PDPC <sup>68</sup>	2020	No
Lebanon	Yes	Law <sup>67</sup> 81	None	2018	No
Iraq	Yes	None	None	–	No
Syrina	Yes	None	None	–	No

# Data Protection Regulation



Country	Data Law	Regulatory Body	Year Enacted	Smart Home Consideration
Turkey	DPL <sup>32</sup>	KVKK <sup>42</sup>	2016	Not Explicitly
Europe	GDPR <sup>55</sup>	EDPS <sup>43</sup>	2018	Not Explicitly
USA	State Dependent	State Dependent	2022	No
China	PIPL <sup>40</sup>	CAC <sup>44</sup>	2021	No
Brazil	LGPD <sup>33</sup>	ANPD <sup>45</sup>	2021	Not Explicitly
India	DPDP IT Act <sup>41</sup>	None	2020	No
Canada	PIPEDA Act <sup>31</sup>	OPC <sup>46</sup>	2000	Not Explicitly

# Supporting Privacy Protection

**Support Bystanders'  
Privacy Protection**

# Supporting Privacy Protection

## Contextual Interventions

Consider Jordanian Context

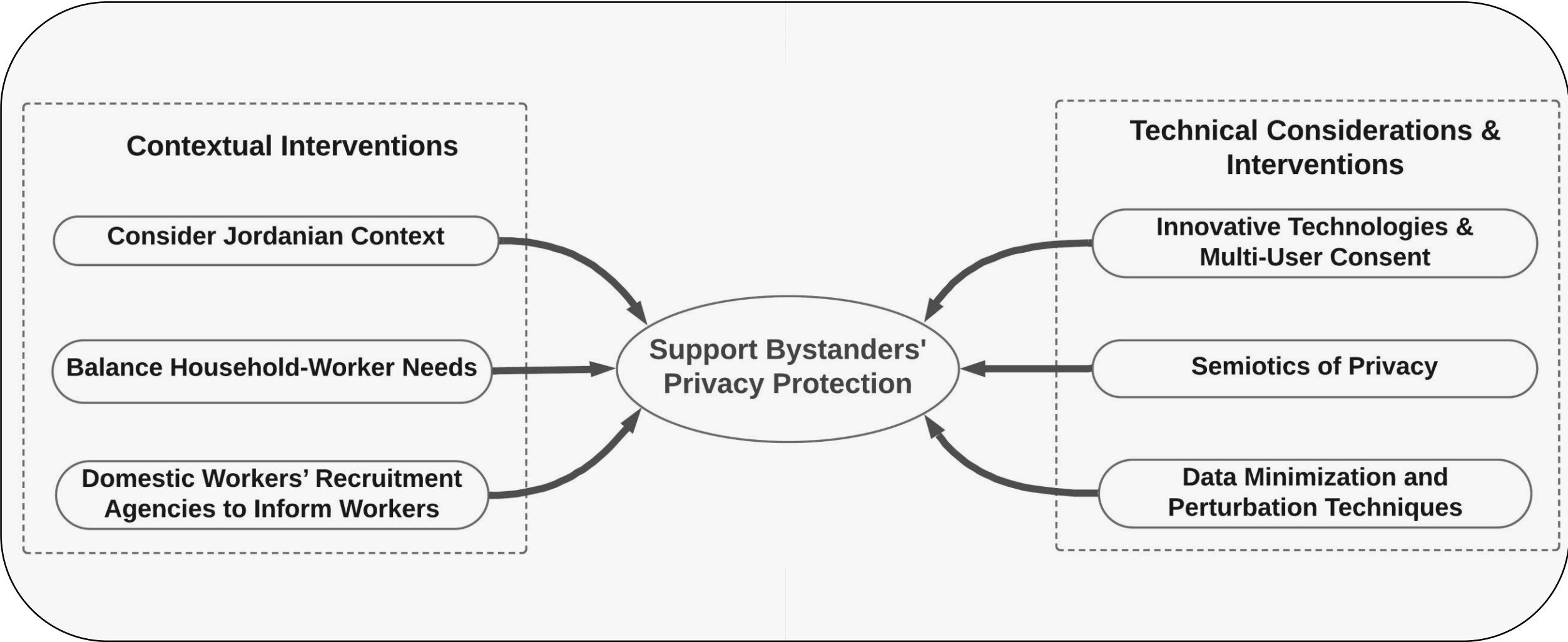
Balance Household-Worker Needs

Domestic Workers' Recruitment  
Agencies to Inform Workers

Support Bystanders'  
Privacy Protection

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graph LR; A[Consider Jordanian Context] --> D([Support Bystanders' Privacy Protection]); B[Balance Household-Worker Needs] --> D; C[Domestic Workers' Recruitment Agencies to Inform Workers] --> D;
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# Supporting Privacy Protection





Thank You