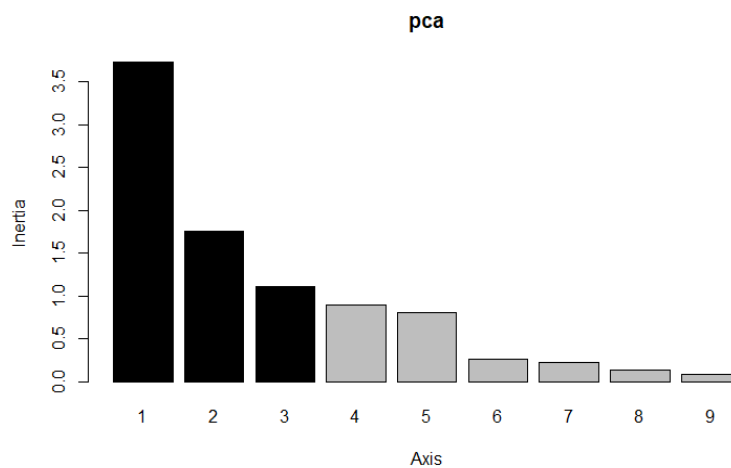


Supplementary Table 1. Variables used for typology analysis. The variables used for PCA is indicated as ✓

S.No	Variables	Units	PCA variables
1	Household members	Number	✓
2	Age	Number	
3	Owned area	Hectare	✓
4	Crop diversity	Number of crops grown year ⁻¹	
5	Cereal area	Hectare	✓
6	Other crops area	Hectare	
7	Vegetable area	Hectare	
8	Plantation area	Hectare	✓
9	Cash crop area	Hectare	
10	Fodder area	Hectare	
11	Total Cost of Production (TCP)	Indian Rupees	✓
12	Family labour working on-farm	Number	
13	Hired labours	Numbers per year	✓
14	Livestock	Number	✓
15	Improved cows	Number	✓
16	Calves	Number	
17	Goats	Number	
18	Poultry	Number	
19	Feed quantity	kilogram per year	
20	Feed expenses	USD per year	
21	Milk yield	Litres per year	✓
22	Crop income	Indian Rupees	✓
23	Livestock income	Indian Rupees	



Supplementary Fig.1 Principal components selected based on eigen value >1. Here inertia refer to eigen value