

空間分析 (Spatial Analysis)

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課程目的: 空間分析被譽為是考古學發展中量化與運用統計技術最成功者。人類學者認為空間是社會現象的基本要素之一，也是社會現象中具有抽象與實體二面，又能落實到一般日常生活之中的重要課題。空間以自然的地理形式或人為的建構環境為基本，但又依人的各種活動而有不同的建構結果，而人的活動的結構、物質的空間模式可反映出這些空間的建構與概念。空間分析主要在瞭解器物、或遺址在一遺址內、或一地區上的空間分佈或結構，以揭示人的各種活動內容、與其空間分佈，及與其它形物的關係，進而作為瞭解人群的空間建構與概念、甚而其背後塑模其之社會關係、意識形態、宇宙觀等等。研究的基本層次可分數個，本課程的主旨即在介紹與討論各種不同層次之空間分析的方法與技術。

課程要求: 期中參考書目閱讀口頭報告、學期中作業(30%)、期末報告(50%)、課中的報告與討論參與(20%)
與討論。

課程大綱:

- | | |
|-------------------|--|
| 2005/09/20 | 1. 課程簡介 |
| 2005/09/27 | 2. 空間分析的基本概念 |
| 2005/10/04 | 3. 研究設計、田野策略、與抽樣技術(一) & 作業一 |
| 2005/10/11 | 4. 研究設計、田野策略、與抽樣技術(二) & 作業二 |
| 2005/10/18 | 5. 形成過程與後沈積過程的效應(Post-depositional Effects) |
| 2005/10/25 | 6. 形成過程與民族考古學、空間分析 |
| 2005/11/01 | 7. 遺址內部分析層次(Intrasite Analysis)
活動區域層次(Activity Area Level)分析 |
| | I. 封閉式空間 (Rock Shelter, Closed area) & 作業三 |
| 2005/11/08 | 期 中 考 |
| 2005/11/15 | 假日 |
| | II. 開放式空間(Open space) |
| 2005/11/22 | 房舍層次(Room, Household Level) 分析 |
| 2005/11/29 | 聚落型態與社區 (Community) 層次分析 I |
| 2005/12/06 | |

2005/12/13	聚落型態與社區 (Community) 層次分析 II
2005/12/20	8. 區域遺址群分析層次 (Intersite Analysis) 聚落系統與生業體系
2005/12/27	地景取向研究
2006/01/03	上課最後 (期 末 口 頭 報 告)
2006/01/10	期末考

指定書目：

空間分析的基本概念

Carr, Christopher

1984 The Nature of Organization of Intrasite Archeological Records and Spatial Analytic Approaches to Their Investigation. Advances in Archaeological Method and Theory 7:103-133, edited by Michael B. Schiffer. Academic Press, New York.

Carr, Christopher

1985 Alternative models, alternative techniques: variable approaches to intrasite spatial analysis. In For Concordance in Archaeological Analysis: Bridging Data Structure, Quantitative Technique, and Theory, pp302-329, edited by Christopher Carr. Westport Press, Kansas City.

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1995 導論，空間、力與社會 pp1-37，中央研究院民族所。

Parsons, Jeffrey R.

1972 Archaeological Settlement Patterns. Annual Review of Anthropology 1:127-150

研究設計、田野策略、與抽樣技術(一)：

Redman, Charles L.

1973 Multistage Fieldwork and Analytical Techniques. *American Antiquity* 38(1): 61-79.

Redman, Charles L.

1987 Surface Collection, Sampling, and Research Design: A Retrospective. *American Antiquity* 52(2): 249-265.

Thomas, David Hurst (Third edition)

1998 Chapter 4 in Archaeology. Harcourt Brace & Company, Florida.

研究設計、田野策略、與抽樣技術(二):

Lightfoot, Kent G.

1987 Regional Surveys in the Eastern United States: The Strengths and Weakness of Implementing Subsurface Testing Programs. American Antiquity 51(3): 484-504.

*Schott, Michael

1985 Shovel-Test Sampling as a Site Discovery Technique: a Case Study from Michigan. Journal of Field Archaeology 12:457-468.

Peterson, Christian E. and Robert D. Drennan

2005 Communities, Settlements, Sites, and Survey: Regional-Scale Analysis of Prehistoric Human Interaction. American Antiquity 70(1): 5-30.

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2002 遺址內部空間分析--船帆石遺址。國立臺灣大學考古人類學刊 58:36-58

2005 Saqacengalj 聚落形態與形貌——一個舊社的考古學研究。國立臺灣大學考古人類學刊 63

形成過程與後沈積過程的效應(Post-depositional Effects):

Barton, C.M. and G.A. Clark

1993 Cultural and Natural Formation Processes in Late Quaternary Cave and Rockshelter Sites of Western Europe and the Near East. In Formation Processes in Archaeological Context, ed. by P. Goldberg, D.T. Nash, and M.D. Petraglia, pp33-52. Prehistory Press, Madison.

Dibble, Harold L., Philip G. Chase, Shannon P. McPherron, and Alain Tuffreau

1997 Testing the Reality of a "Living Floor" with Archaeological Data. American Antiquity 62(4): 629-651.

Gregg, Susan, Keith Kintigh, and Robert Whallon

1987 Linking Ethnoarchaeological Interpretation and Archaeological Data: The Sensitivity of Spatial Analytical Methods to Post-depositional Disturbance. In Press.

形成過程與民族考古學資料、空間分析:

Binford, Lewis R, M.G.L. Mills, and Nancy M. Stone

1988 Hyena Scavenging Behavior and Its Implications for the Interpretation of Faunal Assemblages from FLK 22 (the Zinj Floor) at Olduvai Gorge. Journal of Anthropological Archeology 7:99-135.

*Deal, Michael

1985 Household Pottery Disposal in the Maya Highlands: an Ethnoarchaeological Interpretation. Journal of Anthropological Archaeology 4: 243-291.

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1995 夫妻、家屋與聚落：蘭嶼雅美族的空間觀念。黃應貴編，空間、力與社會，中央研究院民族所，PP：133-167。

*蔣斌 李靜怡

1995 北排灣族家屋的空間結構與意義，黃應貴編空間、力與社會，中央研究院民族所 PP：167-212。

Siegal, Peter E. and Peter Groe

1985 Shipibo Archaeo-Ethnography: Site Formation Processes and Archaeological Interpretation. World Archaeology 18(1): 96-115.

Stevenson, M.

1982 Toward an Understanding of Site Abandonment Behavior. Journal of Anthropological Archaeology 1(3): 237-265.

活動區域 (Activity Area) 分析 I:

Lavachery, Philippe and Els Cornelissen

2000 Natural and Cultural Spatial Patterning in the Lake Holocene Deposits of Shum Laka Rock Shelter, Cameroon. Journal of Field Archaeology 27(2): 153-168.

Parnell, J. Jacob and Richard E. Terry

2002 Soil Chemical Analysis Applied as an Interpretive Tool for Ancient Human Activities in Piedras Negras, Guatemala. Journal of Archaeological Science 29: 379-404.

Wells, E. Christian, Terry, E. Richard et al.

2000 Chemical Analyses of Ancient Anthrosols in Residential Areas at Piedras Negras, Guatemala. Journal of Archaeological Science 27:449-462.

開放式遺址 (Open Site) 的分析:

Kroll, Ellen, nd glynn L. L.Isaac

1984 Configurations of Artifacts and Bones at Early Pleistocene Sites in East Africa. In Intrasite Spatial Analysis in Archaeology edited by Harold J. Hietala, pp.4-31. Cambridge University Press, Cambridge.

Spurling, Brian, and Brian Hayden

1983 Ethnoarchaeology and Intrasite Spatial Analysis: A Case Study from the Australian Western Desert. In Intrasite Spatial Analysis in Archaeology edited by Harold J. Hietala, pp.224-241. Cambridge University Press, Cambridge.

Simek, Jan F.

1987 Spatial Order and Behavioral Change in the French Paleolithic. American Antiquity. 61(321): 25-40.

Simek, Jan F., and Roy R. Larick

1984 The Recognition of Multiple Spatial Patterns: A Case Study from the French Paleolithic. Journal of Archaeological Science 10:165-180.

房舍層次 (Room, Household Level) 分析:

Ciolek-Torrello, Richard

1984 An Alternative Model of Room Function at Grasshopper Pueblo, Arizona. Intrasite Spatial analysis in Archaeology edited by Harold J. Hietala, pp.127-153. Cambridge University Press, Cambridge.

Kahn, Jennifer

2003 Maohi Social Organization at the Micro-Scale: Household Archaeology in the 'Opunohu Valley, Mo'orea, Society Islands (French Polynesia). Pacific Archaeology: Assessments and Prospects (2003): 353-367

Metcalf, D. and K.M. Heath

1990 Microrefuse and Site Structure: the Hearths and Floors of the Heartbreak Hotel. American Antiquity 55(4): 781-796.

聚落型態與社區 (Community) 層次的分析 I:

Chang, K.C.

1958 Study of the Neolithic Social Grouping-- Example from the New World. American Anthropologist 60 :298-334 .

1972 Settlement Patterns in Archaeology, in An Addison-Wesley Module in Anthropology. Module24: 1-26.

*Lowell, Julie C.

1987 The Social Use of Space at Turkey Creek Pueblo: An Architectural Analysis. The Kiva 53(2): 85-100.

Oetelaar, Gerld A.

1993 Identifying Site Structure in the Archaeological Record: an Illinois Mississippian Example. American Antiquity 58(4): 662-687.

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聚落型態與社區 (Community) 層次的分析 II :

Hodder, Ian and Craig Cessford

2004 Daily Practice and Social Memory at Catalhoyuk. American Antiquity 69(1): 17-40.

Mobley-Tanaka, Jeannette L.

1996 Gender and Ritual Space during the Pithouse to Pueblo Transition:

Subterranean Meaning Rooms in the North American Southwest. *American Antiquity* 62(3): 437-448.

Stone, Tammy

2000 Prehistoric Community Integration in the Point of Pines Region of Arizona. *Journal of Field Archaeology* 27(2): 197-208.

聚落系統與生業體系:

Binford, L.

1980 Willow Smoke and Dogs' Tails: Hunter-Gatherer Settlement Systems and Archaeological Site formation. *American Antiquity* 45(1): 4-20.

*Ferring, C. Reid

1984 Intrasite Spatial Patterning: Its Role in Settlement-Subsistence Systems Analysis. In *Intrasite Spatial Analysis in Archaeology* edited by Harold J. Hietala, pp.116-126. Cambridge University Press, Cambridge.

Sutton, Mark Q.

1998 Cluster Analysis of Paleofecal Data Sets: A Test of Late Prehistoric Settlement and Subsistence Patterns in the Northern Coachella Valley, California. *American Antiquity* 63(1): 86-107.

Wells, E. Christian, Glen E. Rice, and John C. Ravesloot

2004 Peopling Landscape Between Villages in the Middle Gila River of Central Arizona, *American Antiquity* 69(4): 627-652

Landscape

Knapp, A. Bernard and Wendy Ashmore

1995 Archaeological Landscapes: Constructed, Conceptualized, and Ideational. in *Archaeologies of Landscape: Contemporary Perspectives*, ed. by A. Bernard Knapp and Wendy Ashmore, pp1-30.

Potter, James M.

2004 The Creation of Person, the Creation of Place: Hunting Landscape in the American Southwest. *American Antiquity* 69(2): 322-338.

Van Dyke, Ruth M.

2004 Memory, Meaning, and Masonry: the Late Bonito Chacoan Landscape. *American Antiquity* 69(3): 413-431.

*Thomas, Julian

2001 Archaeologies of Place and Landscape in *Archaeological Theory Today*, ed. Ian Hodder, pp165-186. Polity Press, Cambridge.