



Satuan Acara Pengajaran

SCMA601200 - Metode Statistika

Pengajar

Drs. Wisnu Wardhana M.Si.

Tujuan Perkuliahan

Mahasiswa dapat memahami dasar-dasar statistika untuk memperoleh, menyajikan dan menganalisis data serta menarik kesimpulan.

Minggu 1

Materi Pendahuluan: Pengertian statistik dan statistika; materi perkuliahan statistik.

Media Transparant sheet, hand out, lembar kerja, la top dan ohp/lcd.

Referensi Campbell, R.C. 1975. Statistics for biologist. 2nd ed. Cambridge University Press, Cambridge: xiv + 385 hlm.
Conover, W.J. 1980. Practical nonparametric statistics. 2nd ed. John Wiley & Sons, New York: xv + 493 hlm.
Eason, G., C.W. Coles & G. Gettinby. 1980. Mathematics and statistics for the bio-sciences. John Wiley & Sons, New York: 578 hlm.
Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm.

Aktivitas Tatap muka dan diskusi.

Minggu 2

Materi 1. Batasan dan ruang lingkup statistik.
2. Pengumpulan dan organisasi data.

Media Transparant sheet, hand out, lembar kerja, la top dan ohp/lcd

Referensi Campbell, R.C. 1975. Statistics for biologist. 2nd ed. Cambridge University Press, Cambridge: xiv + 385 hlm.
Conover, W.J. 1980. Practical nonparametric statistics. 2nd ed. John Wiley & Sons, New York: xv + 493 hlm.
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Aktivitas Tatap muka dan diskusi.

Minggu 3

Materi Pengertian distribusi frekuensi; menyusun distribusi frekuensi; distribusi frekuensi relatif dan kumulatif; histogram, poligon dan ogive

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Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm

Aktivitas Tatap muka, diskusi dan latihan.

Minggu 4

Materi Pengertian ukuran gejala pusat; rata-rata hitung, ukur, harmonis, & tertimbang; median, modus; kuartil, desil dan persentil

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Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm

Aktivitas Tatap muka, latihan soal dan diskusi

Minggu 5

Materi Pengertian ukuran dispersi; rentang, deviasi rata-rata; deviasi standar, varian, angka baku, dan koefisien variasi; deviasi kuartil

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Conover, W.J. 1980. Practical nonparametric statistics. 2nd ed. John Wiley & Sons, New York: xv + 493 hlm.
Eason, G., C.W. Coles & G. Gettinby. 1980. Mathematics and statistics for the bio-sciences. John Wiley & Sons, New York: 578 hlm.
Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm

Aktivitas Tatap muka, latihan soal dan diskusi

Minggu 6

Materi Bentuk distribusi; ukuran simetris dan keruncingan kurva; ukuran keruncingan distribusi

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Aktivitas Tatap muka, latihan soal dan diskusi

Minggu 7

Materi Ujian tengah semester

Media Lembar soal, kertas buram, daftar tabe statistik, kalkulator dan lembar jawaban

Referensi

Aktivitas Ujian

Minggu 8

Materi Teknik statistik dan uji hipotesis.

Media Transparant sheet, hand out, lembar kerja, la top dan ohp/lcd

Referensi Campbell, R.C. 1975. Statistics for biologist. 2nd ed. Cambridge University Press, Cambridge: xiv + 385 hlm.
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Eason, G., C.W. Coles & G. Gettinby. 1980. Mathematics and statistics for the bio-sciences. John Wiley & Sons, New York: 578 hlm.
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Aktivitas

Minggu 9

Materi Sebaran data dan homogenitas varian.

Media Transparant sheet, hand out, lembar kerja, la top dan ohp/lcd

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Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm

Aktivitas

Minggu 10

Materi Analisis dua sampel berpasangan: Uji t; uji Z; Uji Mann-Whitney; uji Wilcoxon.

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Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm
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Aktivitas Tatap muka, latihan soal dan diskusi.

Minggu 11

Materi Pengantar analisis variansi/teknik analisis variansi.

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Conover, W.J. 1980. Practical nonparametric statistics. 2nd ed. John Wiley & Sons, New York: xv + 493 hlm.
Eason, G., C.W. Coles & G. Gettinby. 1980. Mathematics and statistics for the bio-sciences. John Wiley & Sons, New York: 578 hlm.
Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm
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Aktivitas Tatap muka, latihan soal dan diskusi

Minggu 12

Materi Uji Bebas sebaran: Uji median, uji tanda, uji jenjang kendall, uji kolmogorov seminar.

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Aktivitas Tatap muka, latihan sal dan diskusi

Minggu 13

Materi Analisis regresi dan korelasi: Analisis regresi sederhana, diagram pencar; uji keampuhan model; Analisis korelasi, koefisien korelasi, rangk korelasi.

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Sudjana. 1984. Metode statistika. Tarsito, Bandung: x + 487 hlm

Aktivitas

Minggu 14

Materi Kontingensi dan kai kuadtar: Distribusi χ^2 ; kesamaan rata-rata dan kesesuaian; tabel kontingensi dan uji independensi.

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Aktivitas Tatap muka, latihan soal dan diskusi

Minggu 15

Materi Ujian Akhir Semester

Media Lembar soal, kertas buram, kalkulator, tabel statistik dan lembar jawaban

Referensi

Aktivitas Ujian tulis

Minggu 16

Materi Evaluasi dan remedial

Media

Referensi

Aktivitas
